

BAUSCH+LOMB

Stellaris Elite™

Vision Enhancement System



Operator's Manual

For use with Stellaris Elite™ REF BL14455 and REF BL15455

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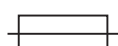
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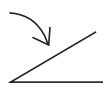
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uz=> r“ =>vY&r“ sv >v 65quvx<v=>vfi< r<v rYü 6: quvx<v=srtΩlrYü => zZv vu C5quvx<v=>fi >yv <xy>fi<
v>3hyv s<xy>Yv=>fi>yv uz=> r“ z=t fiY>fi vu >y<fiJ xy >yv o dE 4 z2S BP2SSG->v !rxv<726A3

L YzY>v <v vZv<dr>>yv sfi>fi& fi>yv uz=> r“ =>vYl zY>v<rt v=[zy >yv <v&fi>v t fiY>fi 3

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L >Yx v ! fi<=>fiY>yv wfiY>fiw>yv =<=>v& !<fiZaiv=w>v<v r>&fi= yv< r z<vfi<s fi> R J z1 4 z<P] tyr Yxv -R4 L1 .
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zYr Yv<fi<=<v<“3

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<v=<v t> z>v “. >y<fiJ xy >yv 4 z2S BP2SSGyG109YGCNO fi<y<fiJ xy >yv !<fix< && zYx zY>v t v ->v Nyr! >v<8.3

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Xr=<v>v Yt >fiYr z> z=fiY“ r Zr zrs v fiY>yv p H3y90Fd 3HY -MX6: 9: . . Zz=fiY v Yyr Yt v <v Y>=<=>v&3hyv r=<v<
v Yt >fiYr z> z= zY>x<v r Yu >y z ! vU [>y r Yv[p H3y90Fd 3HY -MX6: 9: . . Zz=fiY v Yyr Yt v <v Y>=<=>v&3

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t W6l h f U t - '5 M05))9y V005(M065AH' 67- Hy34 0^090 y1065 R6M™ F y3z' yH69yz6V H'
7y10 5HF'® 3 V310 yV60 7y10 5H5 IM@C



l 6HU g USUj / AA kS/ VW[UqBA/ =>B][U[IB] jH' j R UAID jHB BDB=>lqB nE v ULB HBIFH4



l 6HU i U UvjIRkR / JVI[/jIUS / SA [B1kz VB[10[R/ S=>2jHB V/jIBSj,] B'BRk]j : B/j jHB[/ R B1BqBL/]
jHBp H3y90Fd 3HY qI]IUS BSH S=>BRBSj]“jBR / JVI[/jIUS VU[j US jHB 1kIA =>ULB=>IUS =>]]BjB4
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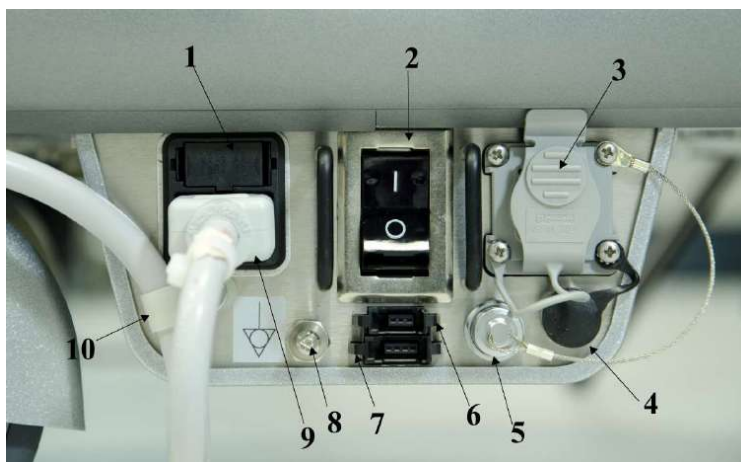
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RxJ <vq6373/ zXS2 ASN2 zUB+9jS- 3

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!r<x<x<!yqB3 3A3
83P>v<Yv>d fi<393gvt fiYur<“ -Xl< . Rfi>NfiY>fi d fi<3: 3d<z&r<“ -Uxv<x<vu. Rfi>NfiY>fi M t Q!
Nrs v d fi<3; 3a z t f i t fi! v Rz x<Uxv<fit Q3A3f fi fi& Uxv<fit Q3B3d fi xYx P%r z r xfiY N fiYYvt xfi<3C3
d fi[v<Nfi<u U! J>3653d fi[v<Nfi<u f v xY xfiY N z l 3
g“=>x&=[zyfiJ>r=>v<w Yt xfiYr z“ [z Y fi>yrZv 91; fi<A3



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0k[SISF UD]HBs / IS v Uk B[yx Ij=>Hx ILLAI]=USSB=j jHB]“]jBR ~~QUR~~ R/IS]4

n904 y9®.h5H) 9yH / e 66Hb 65H63

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Rfi<[zsu t fi&&J Yr>fi Ylt fiYYt> yv d<&r<' -U>vx< >u. Rfifi>NfiY>fi srtΩ! trs v wfi& yv srtΩfiw yv d<&r<' -U>vx< >u. Rfifi>NfiY>fi <fi yv fi[v<<r<fiw yv **pH3y9Fd 3HY** Z=fiYvYrYt v&vY>=">v&3

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pH5 y9 e66Hb 65H63

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nS jHI] R/Sk/I2jHBjB[R i UJf USj[UY x IILISAI=jBISD[R/jIUS jHj/VVIB] jU: UjHjHB v[IR/["-nSjBF[/jBA i UJf USj[UL/SAjHB yj/SA/[A i UJf USj[UL



RxJ<v63372Y N2+ IyGjSV2NjSRM zzj qzGj2z^TNGRBjNGR2Rt zzj qzGj2z^T

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Uw"fiJ! rY<fiJ=>yv **q9M 62**{ NJ=>fi&v<gJ!! fi<b v< fi<Qlt fiYYt>rYP>yv<Y>trs v wfi& yv srtΩfiw yv **pH3y9Fd 3HY** Z=fiYvYrYt v&vY>=">v& <fi yv [r Yv< fi<Q! fi<s vfi<v! fi[v<Zx J! yv =">v&1rYu uz<fiYYt>Zr v w<yv =">v& z=fi[v<su ufi[Y3

k yvY>yv P>yv<Y>trs v z=Yfi>zYJ=>v1zY> yvr>tyvu! <ixt>Zv tr! zYfi yv fi! vY=fi tΩ>3

b 64 79' HF WD b 655' T^H65

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Gf 'H5) pH9H



t W6l hl f U e 69 67104 M yF70y1065 y5 9'(3M' 7' 9(694 y5™AH' 7y10 5HF'® 4 MHE' yHH' Fy4' 3 V3yF
H' pH3y9Ff d 3HY V065 '5- y5™4 '5HF®H4 yF70y1065 76910(H(F0F56H76H0 3 AMP H'
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hfi =>J! >yv pH3y9Ff d 3HY Zz=fiY vYyr Yt v&vY>=<=>v&D

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vYyr Yt v&vY>=<=>v&3

v3 U<"fiJ ! J<yr=>v >yv a a N1=>v ! rxv6296 vfi<=>vJ! uv>vz=>3



RxJ<v633ASN2 zU+9jS- a9VEXYGVN2 PzGGSPjY63



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0HB]"j]BR [BXkI[B] I0jB[BA R BAI=>LF[/ AB/ I[U[R BAI=>LF[/ AB SIj[UFBS2/j T840jU766-V]IF
-066-Kv/ jUPa6-Kv/ U[06-jUP4÷/[. / SA/ I0k [/jB UD840>f i s -PC4F>yr v s .4

gvv²63673Rfifi>NfiY<fi # fiY! rxv6297 vfi<r uv>vz vü uv<= [>fiYfiwd<z&r<" -U>v<v>v. Rfifi>NfiY<fi fi! v< >fiY3

73W u VB[/jU,] s / Sk/L

MCCa67ht

PNM 5zX(k) 7, RxH®5™XZ L



c W f d o U c 6 5 6 H F 05 H' 79' F 5™ 6((3y4 4 yz3 y5y' H H' H F H 05 (' T H 5 H F y' 96 F 63 F 79y @ F A 69 05 y5 6''® ' 5 90™ y H 6 F 7- ' 9' C



t W o l h f U q - 0 F F H H 4 F 6 M B 653® z' 67' 9y H z® 7' 9655' 3"- 6 - y V z'' 5 H y 05' y5 y9' 8 M 3 X 0 H M F H 0 F F H H 4 C



t W o l h f U c 6 5 6 H y 5 M 3® (69™ H' l s n 63' 6" 5" y9 0 H' F H H 4 0 F 65 C



t W o l h f U c 6 5 6 H 6 0 (® H' 763' - ' 0 - H 694 y 5 M 3® (69™ H' 763' - ' 0 - H y F H 0 F T 0 M B T y M F y5 05™ 099' T H 5 0 y H 65 6(H' z 6 H F - ' 0 - H 3 y 05) H 7y H 5 H 5 M 0®



t W o l h f U t - ' 5 M 05)) 9y V H 05 (M 05 A H' 67- H y 34 0™ 090 y H 65 F 6 M 0™ F y 3z' y H 69 y z 6 V' H' 7y H 5 H F' ® 3 V 3 H y V 60 7y H 5 H 5 M 0®



b W r q l m l U c 6 5 6 H 3 3™ y 0 V 5 H C



l 6 H U g U S U j / A A k S / V V [U q B A / = B] j U [I B] j H j R U A I D j H B B D B j l q B n E v U I B H B I F H 4

M w f i < y v w <=> J = f i w y v p H 3 y 9 F d 3 H Y Z z f i Y v Y r Y t v & v Y > = " = v & l t f i Y Y t > y v d < & r < " - U x x < > u. R f i f i > N f i Y > f i f i y v = " = v & [z y y v d < & r < " - U x x < > u. R f i f i > N f i Y > f i s r t 0 j ! t r s v ! < f i Z u v u [z y y v = " = v & 3

h y v w f i [z Y x ! r x v = t f i Y x z Y r Y f i Z v < Z v [w i < = v j ! r Y u J = v f i w " f i J < p H 3 y 9 F d 3 H Y Z z f i Y v Y r Y t v & v Y > = " = v & z Y r > " ! z r = J < v < " [z y f i J > r = v < w Y t x f i Y r z " 3 h y z = z Y w i < & r x f i Y z = z Y v Y u v u w i < J = v s " = f i & v f i Y v [y f i z = r < v r u " w & z x < [z y y z = > " ! v f i w = " = v & 3

Gf 'H5) pH9H

6H0k) 5^m2L 2k

d Jx >yv ! fi[v<=J!! “ t fi4i zYfi >yv [r 3NfiYYvt >>yv t fi&! <v=vu rz<yfi=v >fi >yv =“=>x&3

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hJ <fiY>yv =J zY y r>>yv s fi>fi& fiw>yv =“=>x& t fiY=fi v3



t W6l hl f U d5EMD' HyHH' 76“'9^{T09} (F96MH y“y®(964 Hy((0“y9'yF16 79'V5Hy^{TM0}'5H3 (F^{T055'}T^{H05} 69H0776) - yfy9 FC



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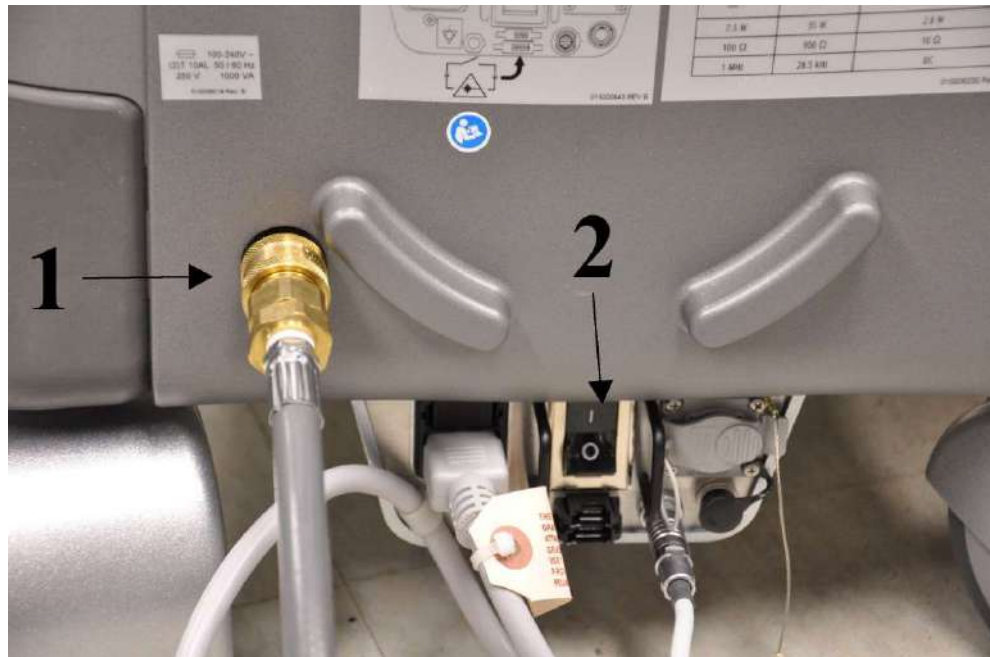


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l 6HU Ok[SISF UD>HBs / IS vUk B[yx lj=Hx IILAI]=USB=jjHB]“]jBR IDUR R/IS]4

NfiYYvt >>yv rz<=J!! “ >fi >yv srt Qs fi>fi& fiw>yv =“=>x&3



RxJ < q63 3p Nk Ozjjz- zU9+9jS- 3
63L zcyfi=v t fiYvt xfiY373a rzYd fi[v < g[zty3



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-C66-jUPa6-Kv/ U Q6-jUP4÷/. / SA/ Dk [/ jBUD840yf i s -PCII-yr v s .4

d < = > yv ! fi[v < sJ > fiYfiY > yv wfiY > fiw > yv = > v & 1r Yu [r > wfi < > yv = < vY > fi t fi < v fiYr Yu > yv = fiw & r < v & fi ru3
hyv wfiY > ! fi[v < = [zty z s < > y < < [yvY > yv = > v & z fiwlr Yu uz & = [yvY “fiJ > < Y > yv = > v & fiY3

hyv p H3y9Fd 3HY Zz=fiY vYyr Yt v & vY = > v & ! v < wfi < & = r = v w yvt Ω vrt y > & v > yv ! fi[v < z = J < Yvu fiY3hyv
= > v & rJ & r & r “ t yvt Ω = z t fiYwxJ < > fiY = wfi < r Y “ tyr Yxv = zYt v > yv r = > v & v z [r = J < Yvu fiY3



b W q hml U mz F 9V F H4 Qy) 56 H4 'Hy) 'F “ - '5 76 “ ‘905) M F H4 (69 (O HMF 'y™ y @y5 H2'
y 7796790 Hy T H65 Q 9'8MD' CW36 6z F 9V (O HMF H 7904 6) 69 Ty3x 9y H65A7- y T H109y)
- y5 70™ H65) y5 H9 V H4 @- y5 70™ H H65) (69 T H99' T H4 73 H65 C

L w < > yv d < & r < “ - U > v x < > yv. Rfifi > NfiY < fi yr = s vY = “ Yt y < fiY > yv & fi > yv = ! vt z M p H3y9Fd 3HY Zz=fiY
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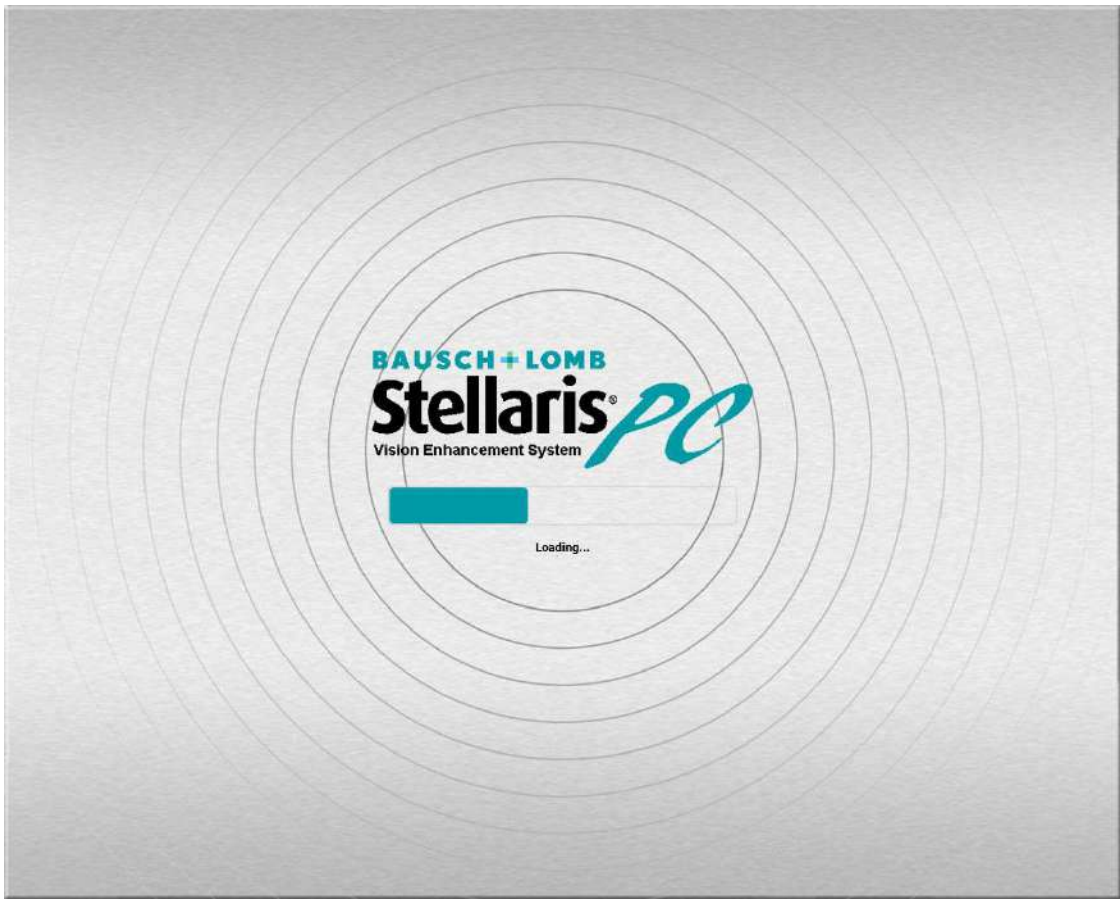
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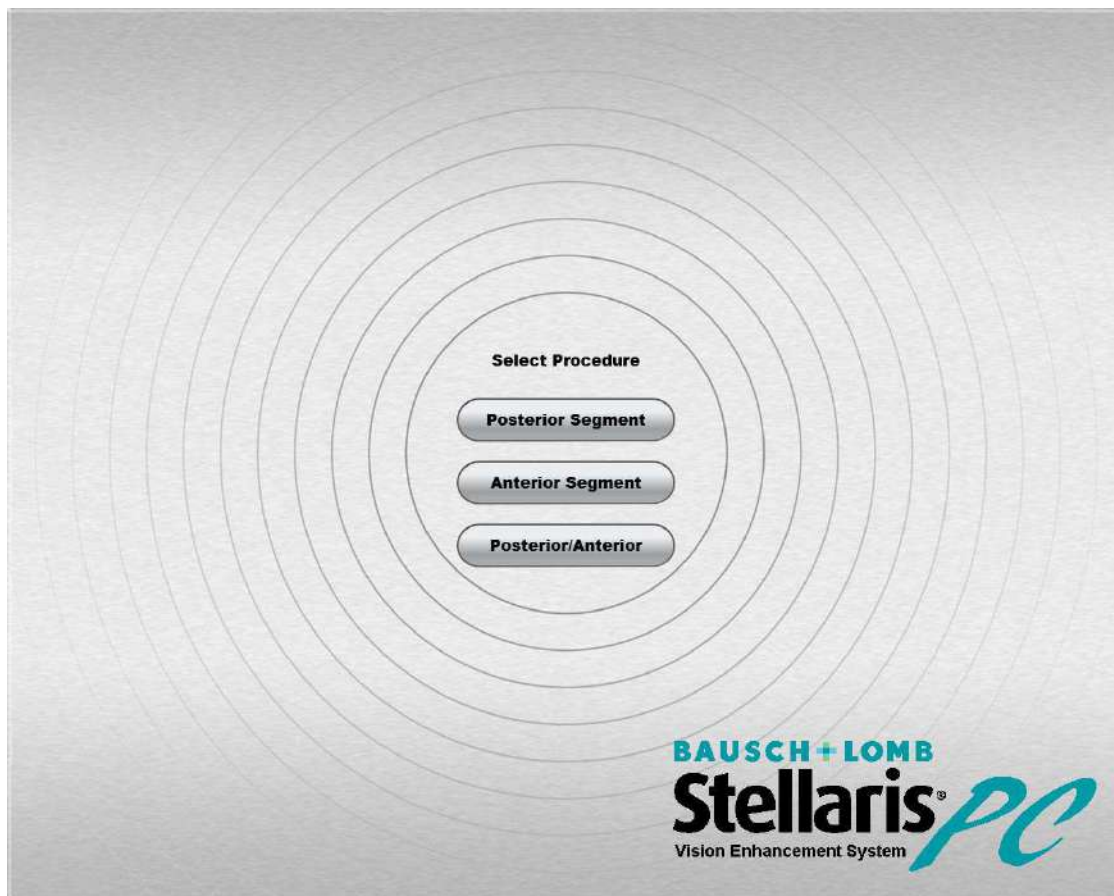
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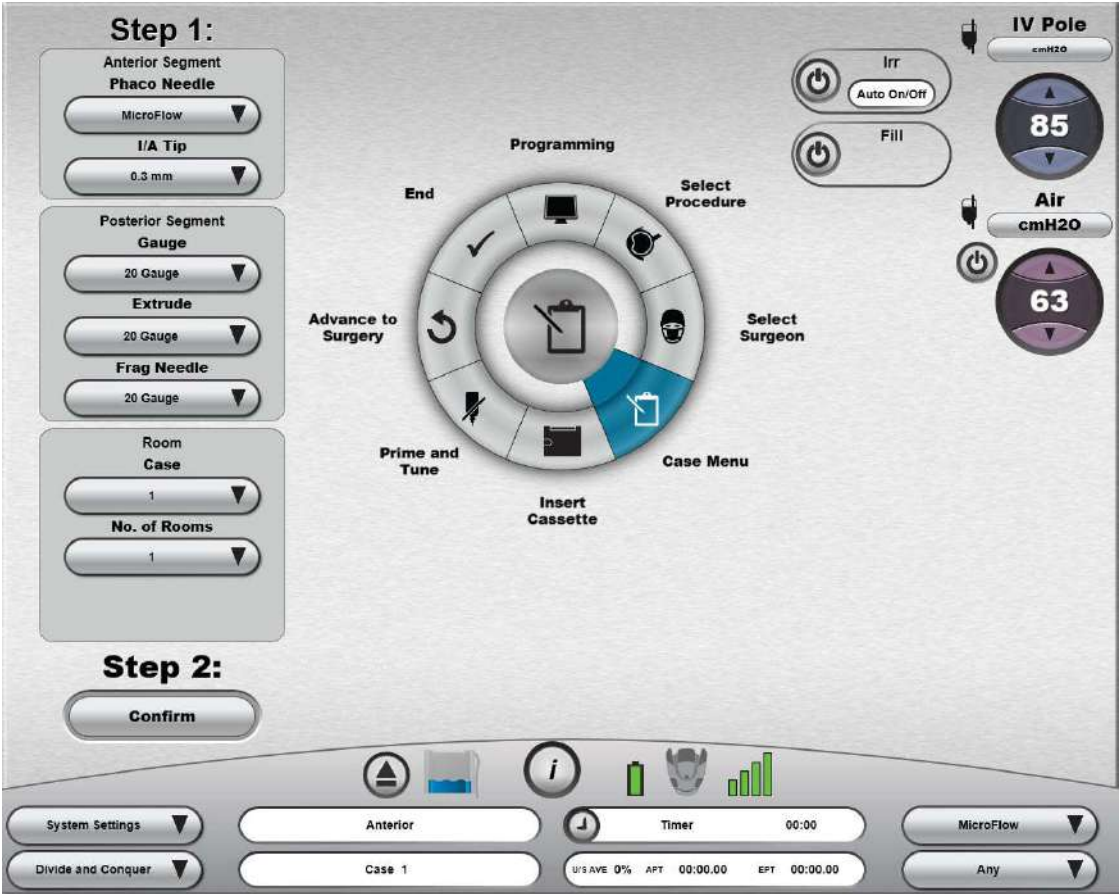
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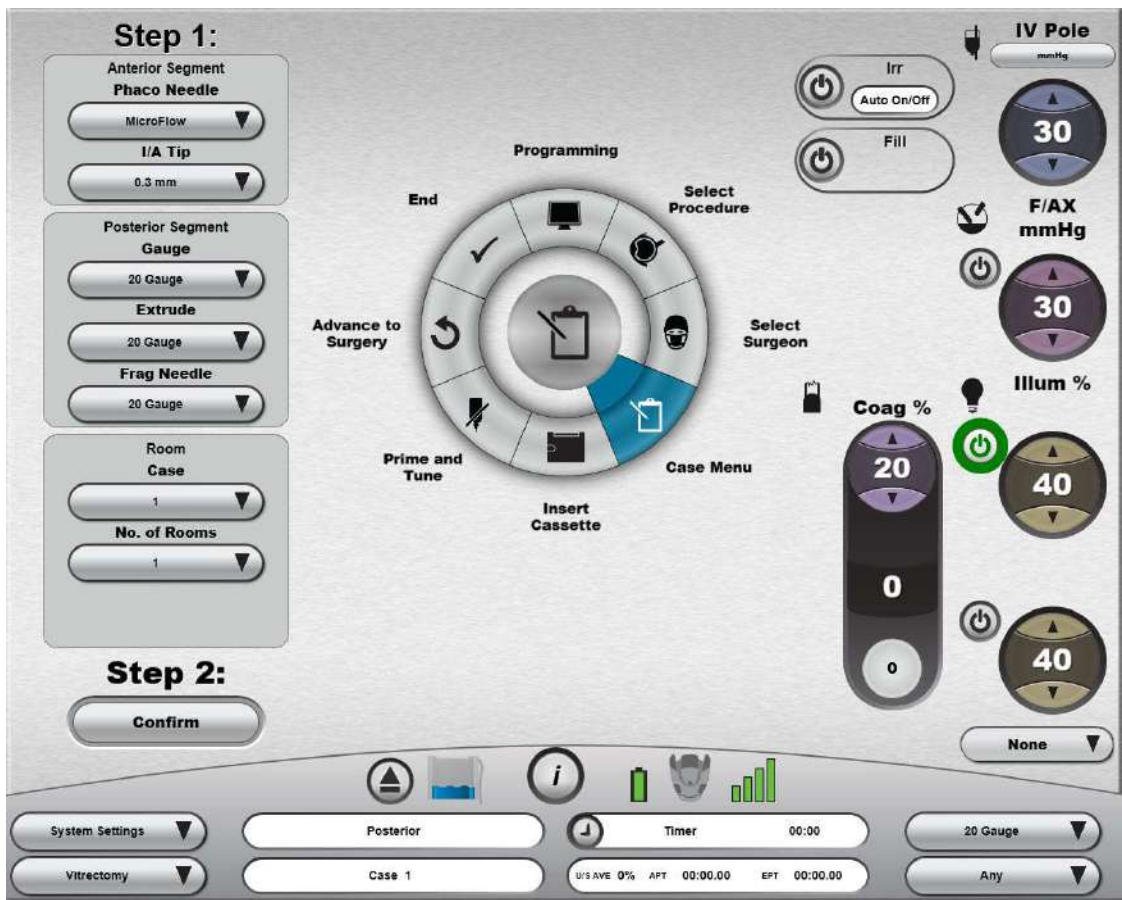
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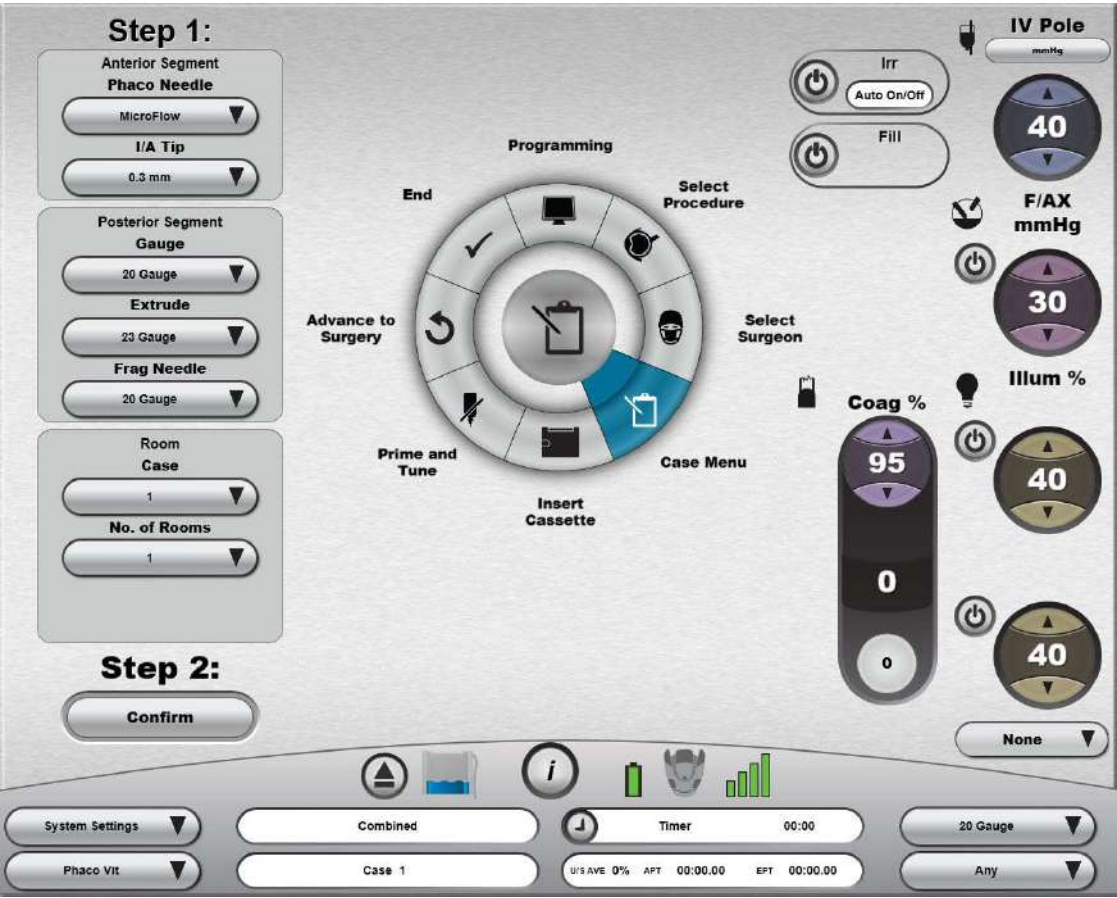
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737P u VB/jU,] s /Sk/L

MCOa67ht



RxJ 46363q z- OCSRr z- NGq N5 4 SG BP2SSG3

LuZr Yt v xi yv fi! vY! rtΩ⇒v! s“ ⇒ vt xYx yGS2j q N9SjjS wfi& yv q T2Px 4 SG03

MCOa67ht

u VB[/jU,] s /Sk/L 737T

Gf 'H5) pH9H

PMM 5X®k) Y 1z% 3®qzvH®

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H' '510' 796™ M' C



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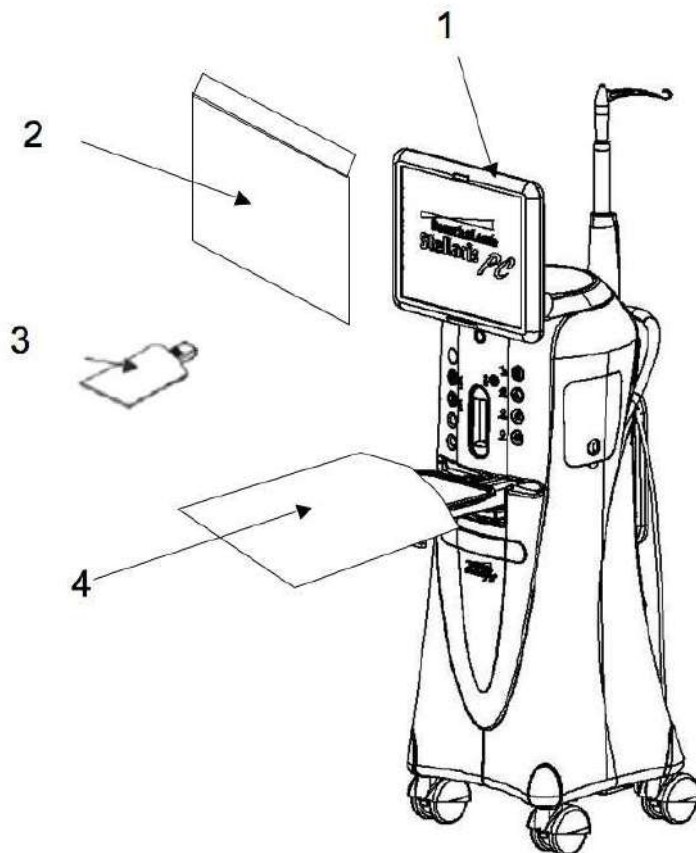


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I Cp' H e 3M b 63 T H5 p H4



I 6HU

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R USIj UBA Ak [ISF j HB V [U=BAk [B4

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Gf 'H5) pH9H

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69b 64 z**05'** 796TM **MTMC**



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l 6HU

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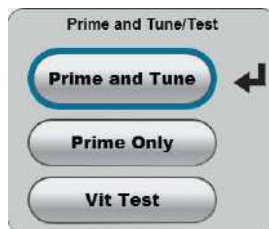
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- gv vt>>yv **72Y SCS9j EŸ** >fi rt >Zr> r=> >Z >fiYrYü r >=>fiw>yv! YvJ &r > t J >=>3
- U>yv rYv<fi<ufi&rZŸl >yv <v<fi> t fiY<fi trYsv J=>vu >fi rt >Zr> >Ÿ Yt >fiY=>ZŸ >yv² d<&v rYü hJ Yv# [>Züfi [fiw>yv >=>3! >=>vY3hyv <v<fi> t fiY<fi i d4Oc k b sJ >fiY=>r <J=>vu >fi >fiZv >yv r<fi [rYü >=>vt >fi! >fiY=>ZŸ >yv² d<&v rYü hJ Yv# [>Züfi [D



²d<&v r Yü hJ Yv#
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gt<vY

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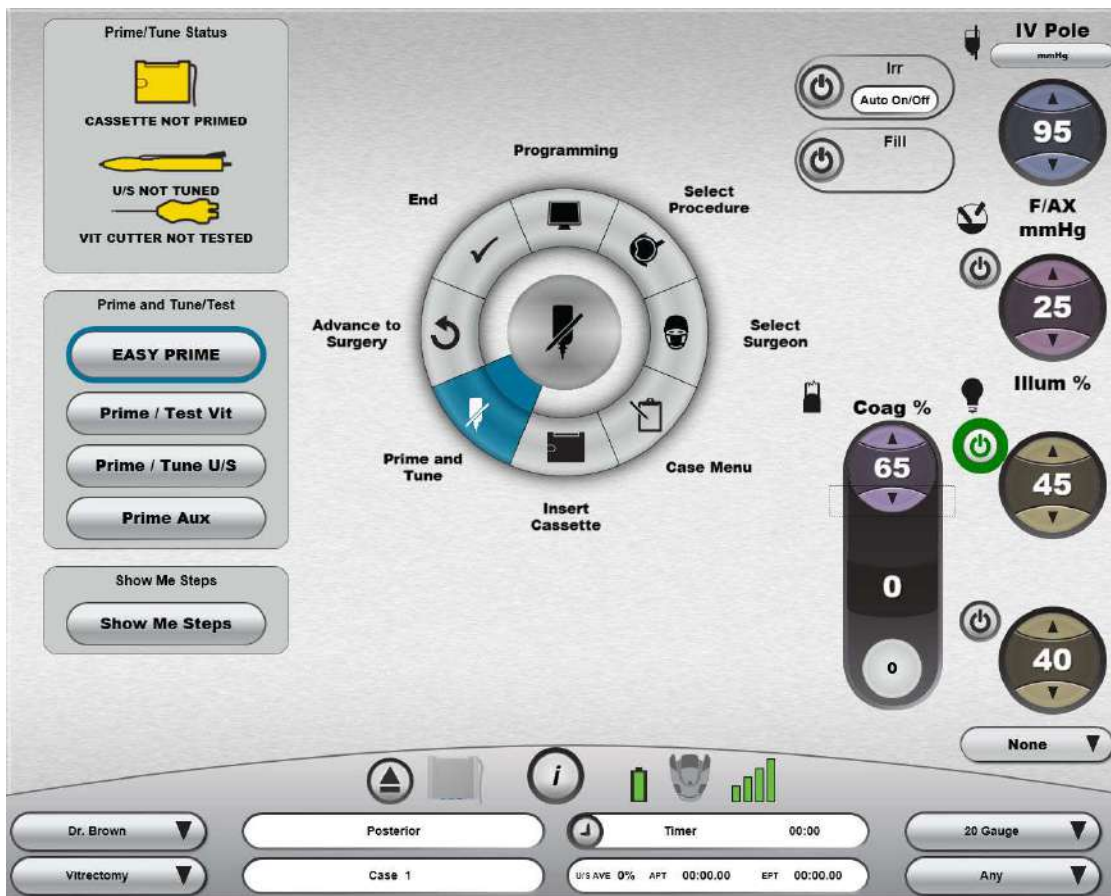
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r<<fi[3

c Yt v d<&v r Yü hJ Yv z=zYz>u s“ rY“ fiw>v=> fi!>fiY=l r Nr Yt v sJ>fiY[z r!! vr>3gv vt>Yx >v Nr Yt v
sJ>fiY[z z&&vu>“ =>fi! >v !<&zYx r Yü >YzYx !<it v=>3

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>r>J=fiw>v d<&v r Yü hJ Yv t“t v3

Üv>v z“=>x& ufiv=Yfi>!r=>v d<&v r Yü hJ Yv >=>l=>xxv=>fiY=wfict fi<<vt>Zv rt>fiY[z s v uz! r“vu3

Gf 'HB) p49H



RxJ<639372Y S NGR C0GS BP2SSG:CWD 9 NG.S&N @S'zUN@9jS2V2 Rz- NG9P2SSG

OCW Vy5™ H6 pM) '9®n- yF



t W6l hl f U h5y V9H5Hy™H5 6((M5™H5FH5Hy9' 05H5 ' (697904 05) 69 H605) - y5 70™F“- 08
H' - y5 70™(F05 H' '® Ty5™9yHy - yfy9 6MFH5H5 HyHF0NB 9' FMBH5 7y10 5H5 IM@C

c Yf v >v =“>x& yr=svvY=Jttv=J “ !< &vu rYu JYvu1>[z rJxi&r>Ar “ &fiZv xi >v &rZY=J<xAr =t <vvY3
a rYr “ =>vt>Xx o RINGPS jz B02VS2+ !<fuJt v=>v =t &v <=J >



l 6HU

nDjHB]“]jBR l] SUj V|IR BA/ SAjkSBA2jHB/]VI[/ jIUS2qIj[B=UR “ / SA kIj[/]UkSA IR S=jIUS] x IIL: B
kS/ q/ IIL: IB4

738M u VB[/jU,] s /Sk/L

MCCu67ht

PNM 7&k) RxH®5™&z L dk 5H®z®™

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RxJ<vç63: 37z9jS2V2 B02VYNBP2SSG3

M/CQa67ht

u VB[/jU,] s /Sk/L 7380

Gf 'HБ) pH9H



RzxJ <v6.6; 3o GjS2Y2 B02VFN BP2SSG3

738P u VB/jU,] s /Sk/L

MCOa67ht



RxJ <v6.6A3q z- OIGSR B02VFN'BP2SSG3

PM M mxkqHvdk) Y 5H® QqYE3® qz vH®

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t W6l hl f U k y2' EM' HTM 36P H' l990yH65 b 3y4 7 65 H' W 4 (6H9yH65 qM' p' H' (69' 79' H6) d 5
n96TM M' 69(3M 4 y®H65H6M H (36“ (964 H' -y5 70TMy5 6H6 H' TyHP HHC

Gf 'H5) p49H

hyv =“=>& [z >yvYruZr Yt v >fi >yv s GRzUq N8 BP2SSG->yfi[Ysv fi[.1 fi[v<>yv Uj dfi vlr Yu v@t>>yv
tr=>v>3

Surgeon Summary						
Surgeon	Dr. Smith	Phaco	MicroFlow	Infusion	0 mmHg	00:00.00
Technique	Divide and Conquer	I/A	mm05			
Case	3			Vacuum	110 mmHg	00:00.00
Case Time				Flow	0	00:00.00
Total Time		Grade	Any	U/S	50 %	00:00.00
Fluid Level	141 ml			Vit	711 cpm	00:00.00
				Coag	30 %	00:00.00
				U/S	50 %	00:00.00

Surgeon Settings	
Save As	Save

AVE	50%
U/S	APT 00:00.00
	EPT 00:00:00

BAUSCH+LOMB
Stellaris[®]
Vision Enhancement System

PC

Message Log

Show Me Steps

Remove Disposables

Next Patient

Shut Down System

RzxJ <q636B3o GjS2V2 s GRzUq N8 BP2SSG3

738W u VB[/jU,] s /Sk/L

M7CQa67ht

Surgeon Summary

Surgeon	System Settings
Technique	Vitrectomy
Case	2
Case Time	
Total Time	
Fluid Level	109 ml

Gauge	Gauge23
Frag	Gauge23
	Any

Infusion	0 mmHg	00:00.00
Elevated Infusion	0 mmHg	00:00.00
Vacuum	210 mmHg	00:00.00
Flow	0	00:00.00
U/S	70 %	00:00.00
Vit	1211 cpm	00:00.00
Coag	60 %	00:00.00
U/S	70 %	00:00.00

Surgeon Settings

Save As

AVE 70%

U/S APT 00:00.00

EPT 00:00:00

Message Log

BAUSCH+LOMB

Stellaris®

Vision Enhancement System

Show Me Steps

Remove Disposables

Next Patient

Shut Down System

RzJ <636C37z9jS2Y2 s GRzUq N8S BP2SSG3

Gf 'HB) p49H

Surgeon Summary						
Surgeon	Dr. Jones	Phaco	MicroFlow	Infusion	0 mmHg	00:00.00
Technique	Phaco Vit	I/A	mm03	Elevated Infusion	0 mmHg	00:00.00
Case	1	Gauge	Gauge20	Vacuum	90 mmHg	00:00.00
Case Time		Frag	Gauge20	Flow	0	00:00.00
Total Time		Grade	Any	U/S	30 %	00:00.00
Fluid Level	102 ml			Vit	601 cpm	00:00.00
				Coag	20 %	00:00.00
				U/S	30 %	00:00.00

Surgeon Settings	
Save As	Save

AVE	30%
U/S	APT 00:00.00
EPT	00:00:00

Message Log

BAUSCH+LOMB
Stellaris[®]
Vision Enhancement System

Show Me Steps

Remove Disposables

Next Patient

Shut Down System

RxxJ <v63753q z- OXSRs GRzUq N9S BP2SSG3

f v&fiZv >yv wJ zuZ=tr=v>> z&&vuz>v “3

f v&fiZv r uz=fi=s v=wf& >yv =‘>v&3gv vt>gyfi[a v g>!=AS- z1Sr v@z9NOS9 >fi =vv r >=>fiw[yd y
uz=fi=s v= Yvvu >fi sv <&fiZvulr Yu r Yz&r>fiY=fiwyfi[>fi <&fiZv vrt y fiw>yv&3

gv vt>5 S& 7NYSG >fi <J <Y>fi >yv BSj0@BP2SSGr Yu ! <v! r <v >yv &rt yzYv wf<>yv Yv] >f! dit vuJ <v! fi<=v vt >
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l 6HU

u S]BIB=ISF p- Mh 6“ 5 p@H4 2/ RB]]/ FB[BRISAISF “Uk jU=H [FBjHB:/jjB[“ x IIL: B
AI]VL “BA4

7306 u VB[/jU,] s /Sk/L

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PMIM 5- HXXk) nx%k X z 5™&L



b W q hml U l 'V9 H05 H' 76''9 F' (HM 6((69 (F055' TH' 76''9 " (H6M7967'9 F0H4 F MH6"5C
d 8M74 '5H y4 y)' T5 6™MC

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! rxv62 93



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AI/VL "BA4

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t W6l hl f U c 6 5 6 H 904 ' y5 qM5' " (H H' 6 (M65 35' T34 7 6 H' 67' 5 7 6 H 65 y5 H' 6 (M65
T355 M3 y H T M' 6 H' ' 6 Co ' 4 6 V H' 6 (M65 T355 M3 A69 T34 7 6 ((H' 6 (M65 35'
T34 7 5' y9 H' 6 (M65 T355 M3 z' (69' 7904 6) y5 H6 6) H' F6H4 C

PNPOM xKdk) RxH®5™6xL Xx i kxX-z®yxqYX0xk



t W6l hl f U c 6 5 6 H 5 F 69 H 9 4 6 V 6 M 6 F 6 H 4 (964 9664 H 9664 69 M y5 6 T 35 y 6 5 M 6 3 F 6 M
- y V (636 " H' H 7 F z' 36 " C

hyz=J Yz>=uv=x Yvu &i ! <fiZauv &fis z z' [zyzY >yv vYZz<fiY&vY>fiw>yv fi! v< >Yx <fi fi&3

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63 dfi[v<ufi[Y Yfi<&r " s " =>vt >Yx 2 gyJ >Ofi[Y# wfi& >yv vYu fiwtr=>=>vY
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;3 RJ " t fi=>yv wfiY>u<[v3

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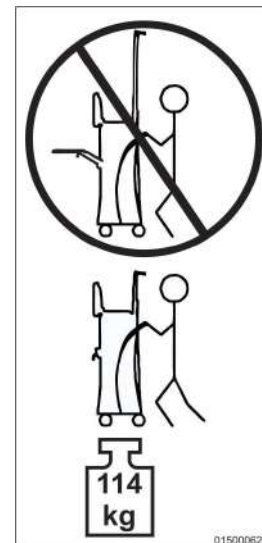
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663 OZ vYxrxv >yv wfiY>s < 6v vZv3

673 L [r " = &r YvJ Zv<>yv J Yz>J =>Yx >yv yr Yu v sr<uv=>x Yvu wfi<>y z= ! J < fi=>3



l 6HU g USUj]jU[B/S "jHISF US jUV UjHB] "jBR2/ SAAUSUj VkljHB] "jBR : "jHBnE vUIB4

73C8 u VB/[jU,] s /Sk/L

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t Wö l hl f U r F 653®-y5 70™EAYz3FAH' FHy5 y™H690 F 'R)5yH z@a yM™]: Jj 64 z (69MF "OH HOF®H4 C



t Wö l hl f U k y5My™H0'9F6(Ty9 Qy™y™4 y2'9Fy VF y)y6HMF 6(z063y9™MH9® 'W™F65 7yH5H"(OH FM™ 04 73y5HC - '5 T05 M™5) FMD)'9®65 FM™ y 7yH5Hy zyH9®76""9' H'94 y3™MH9®4 y®z' MF A69H' 4 y5My™H0'96(H' 7y™4 y2'9 F 6MB z' T05FMH H 'H94 05' y7796790yH H17F10 H2' 05 69 '9 H MF H' z063y9™MH9®(M™T05C



t Wö l hl f U k y5My™H0'9F6(04 73y5Hz3' '(0490yH09F9'T04 4 '5 HyHH'F 'W™Fz' H4 769y90B® 0Fyz3' "- '5 M™5) z063y9™MH9®65 7yH5H"(OH 04 73y5HCq- ' FMD)'65 F 6MB 'H94 05' 0 H' 7yH5Hy yFHM™y 'W™y5 T05FMH' 4 y5My™H0'9(69y7796790yHyT05FC

Gf 'H5) pH9H

r F 9 h5 H9(y™p™'5

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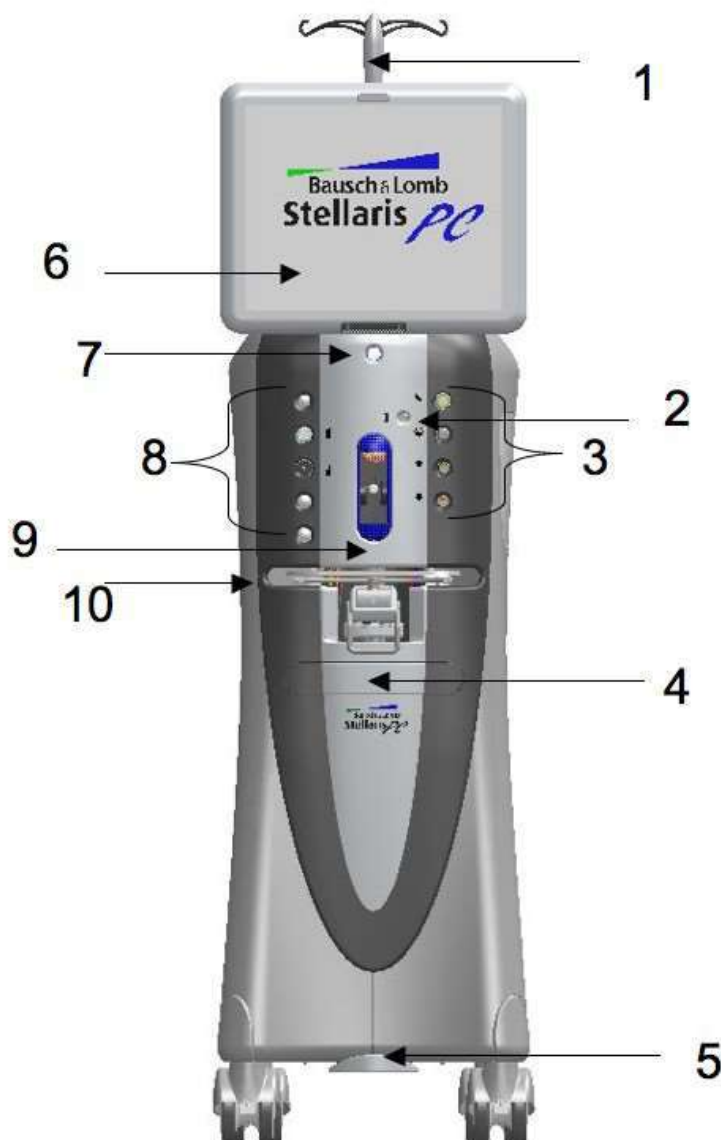


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MCOa67ht

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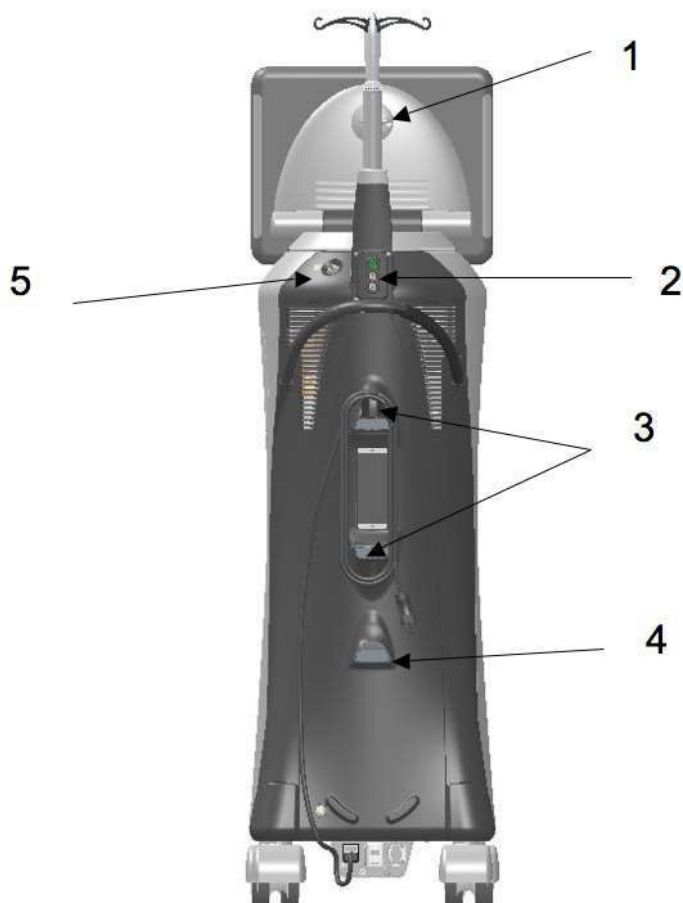
u VB[/jU,] s /Sk/L 73CO

Gf' H5) p H9H

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6 j g M d fi < L t t v = 3 7 j j d fi v N fi Y > fi M j > fi Y = 3 8 3 N fi < u k < ! T fi fi 0 = 3
9 j d < & r < " - U > v x < > u. Rfi fi > N fi Y > fi T fi fi 0 3: j j L < d < = j < v c J > J > t fi Y Y t < fi < 3

h y v w fi Y > fi w > y v = " => v & - > v R z J < > 6 3 7 9 fi Y ! r x v < 6 2 A t fi Y < z Y = & J > ! v ! fi < > w i < t fi Y Y t > z Y x = " => v & r t t v = fi < > = 3
h y v = z Y x v ! fi < > r > > y v < fi ! fi w > y v t r = > > y fi J = z Y x ! < fi Z a u v = r < > ! < = j < v < fi u < > Z v > y v ! Y v J & r < > Z z < v t < fi < " t J > > < 3

h y v < r < < w Z v ! fi < > fi Y > y v v w = z u v fi w > y v = " => v & w i < t fi Y Y t > z Y x = v t z w = " => v & r t t v = fi < > = 3

— h y v w < > ! fi < > 6 < Y w x J < < s v fi [. z = w i < r = < < - z w Z r z r s v l = v ! r x v < 6 2 A 8.3

— h y v = t fi Y u ! fi < > 7 < Y w x J < < s v fi [. z = w i < J < < fi J Y u - > v ! r x v < 6 2 A 3

7 3 C P u V B / j U ,] s / S k / L

M C C a 6 7 h t

- hyv yzu ! fi<-8qYwxJ<v sv fi[. z=fi<t firxJ r>fiY->v ! rxv929C.3
- hyv wIJ <y ! fi<-9qYwxJ<v sv fi[. z=fi[v<fi<yv XLd -zwrZrzs vl=>v ! rxv6297.3
- hyv wxy ! fi<-: qYwxJ<v sv fi[. z=<v<Zvu fi<wJ<v J=>3

hyv<r<v wIJ<fi<-ufi[Y>yv <xy>=>v fiw>yv =>v& fi<t fiYYt>Yx =>vt zM =>v& rttv=>fi<v=>3

- hyv w<=> ! fi<-; qYwxJ<v sv fi[. z=fi<j zt fiJ=R JzU UY@t>fiY+ L=>zt>fiY3
- hyv =>vt fiYU ! fi<-AqYwxJ<v sv fi[. z=fi<L z<Rfi<vU UYw=>fiYr Yu R JzU4 z<P] t yr Yxv3
- hyv yzu ! fi<-BqYwxJ<v sv fi[. z=fi<r &! q7 r Yu ! <fiZaiv=z J &zYr>fiY->v ! rxv62; . .3
- hyv wIJ <y ! fi<-CqYwxJ<v sv fi[. z=fi<r &! q7 r Yu ! <fiZaiv=z J &zYr>fiY[zy =>vt >v v w>v<-=>v ! rxv62; . .3



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r 39yF6M5 e M5™M65F.n- y™0'4 MFO&y™M65 y5 e 9y) 4 '5 H™M65/



t Wo l hl f U k y5My™M0'9F6(04 73y5Hz3' '(04903yM9F9'™04 4 '5 HyHH'F' 'V™MFz' H4 769y90B@ (Fyz3' “- '5 M™M5) 7-y™0'4 MFO(0y™M65 F@H4 F65 7yM 5HF“ (H H'F 04 73y5HCq- (F0F 'F7'™0.3@04 769H5H'- '5 M™M5) 7M™F 7-y™0 4 6 'F6(67'9y™M65CW3H6M- H' 04 73y5H 'V™MFy9' 'R) 5' M 9' P™H 3™H64 y) 5' M™M5H9('9'5™Ay5 ayM™M]: lj 64 z s (M65 d5-y5™M4 '5H8M74 '5HF' R) 5' M 4 (604 qP FM™ (6H9('9'5™Ay™M5™M (6H9y™M65

Gf 'H6) pH9H

ᵀʸ556Hₑ' 9M' 6MᵀnyH 5HFF 6MB z' 8MH65' H 'H94 05' Q H'@-yV FMᵐy5 04 73y5H
y5 Aᵀ R6AH' 4 y5MᵀyᵀH9'9 F 6MB z' ᵀ65HMH H 'H94 05' H' 7967'9ᵀ6MDF 6(yᵀH65C

hyv ⇒t fiY! fi<fiY>yv vw⇒zv fiw>yv ⇒⇒& z=fi<r t firxJ r>fiYyr Yü! zt v [yz y! <fiZzv=t firxJ r>fiY! fi[v<zY
r Yü w&x&vYr>fiY! <fit vuJ <v=zYt fiY>YJ fiJ ⇒! J ⇒vu l r Yü s J <⇒&fiuv⇒

b 6y) MByH65

hyv >zu! fi<fiY>yv vw⇒zv fiw>yv ⇒⇒& z=fi<r t firxJ r>fiYyr Yü! zt v [yz y! <fiZzv=t firxJ r>fiY! fi[v<zY
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hyv wfiY>fiw>yv ⇒⇒& t fiYr zY=r fi> fiw>Y! fi<wfi<t fiYYt >Yx ⇒⇒& rtt v=fi<v⇒3c Y“ fi&v! fi<v<r <
rt >Zv l >yv <&r zYuv<r <v <v<Zvu fi<wJ <v J⇒3

n904 y9@.h5H) 9yH / e 66Hb 65H63

hyv d<&r<“ -Ux<x< >vu. Rfi fi>NfiY>fi t fiYr zY=>yv Rfi fi>d vur r Yü wfiJ <! <ix< &&rs v sJ >fiY=l r Yü! <fiZzv=>yv
&r zYzY>v<wt v s>J vvY>yv J=>r Yü >yv Zz=fiY vYr Yt v&vY=>⇒& wfi<t fiY>fi zYx &fi⇒wJ Yt >fiY=3hyv d<&r<“
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r Yü Nyr! >v<B wfi<xt yYz r ⇒! vt zmr>fiY⇒

e 3M 0Fe MᵀH65

hyz=ŵYt >fiYJ=>r Zrt JJ&2sr=>u! J&! fi t fiY>fi >yv fiJ >J>Zrt JJ& <Yxv wfi& 5ᵑfi; 55ᵑ&&T x l r Yü J=>r
<xzu 855ᵑ& t fi vt >fiYtr=>w [zy r>tyv u z<xr>fiYr Yü r=> zt >fiYJ s zYx3d YvJ &r> Zz>v>fi&“ ⇒!! fi<v
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>tyYz r ⇒! vt zmr>fiY⇒

h3VM 05yH65 e MᵀH65

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fiJ>J>=r Zr zrs v r>&r] z&J &⇒>Yx=3k zy r] vYfiY r&! zYXr&! ᵑ fit r>fiYl r Y“ fiYv fiw>v<t fi fi<w>v<v
-“v fi[1x<vYr Yü r &sv< &r“ sv J=>vu3Mfi> fi<v zYt fi<fi<v! v<&r YvY>w>v>fiY>fi <vuJ t v J >Zfi v>Zfi v>
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WDb 64 79' H69

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⇒! vt zmr>fiY⇒

73CW u VB/[jU,] s /Sk/L

MCCu67ht

hs n63'

t Wol h f U r F 6(y5 l8 n63 ' 'H5H65 696H'94 'y5F6(y3H96) H' z6H' - '0 - H y@TMF 65yTMMyH F H6) (F73y@F9' H H6) 6 F96MF7'94 y5'5H7yH5 H6 MDCC



t Wol h f U q- (F^RH4 (F^Hz' M' (5' (H'9yD79' HMD' (5(M^U5 4 6 ' 69ls n63 4 6 ' zMB' V9
z6H (H) 'H'9yF-0- (5H^U6^TN^U979' HMD' F4 v^R9' F^HHC



b W q h m l U c 6 5 6 H y 5 M 3 3 (6 9 T M H ' h s n 6 3 6 9 M F H ' h s n 6 3 y F y - y 5 3 C

hyyv**H3y9Fd3HY** Z=fiYvYrYt v&vY>="& & Uj dfi v z r YZY>x< ! r< >fiwzyv="& & t fiY=fi v3UtrYsv
uzxt>" & fiZvu J ! lufi| Ylfi< fi r = vt wz ! <=> yvzy>s " rY" fiw=Zv< & vzyfu=3UtrYsv t fiY>fi vu > y diJ xy
zyv fiJty = < vYld< & r<" -UY>x< >vu. Rfi fi>NfiY>fi -w! <fi x< & & vu. l< & fi> t fiY>fi -fi! > fiYr rttv=fi< . lfi<
uzxt>" s " J=ZY >v s J >fiY=fiY>v srt Ωfiwzyv="& & t fiY=fi v3hyv Uj dfi vtrYr =fi sv ! <2! <fi x< & & vu fi r
t v< rZYvzy>>vfi<Zr<fi J =J< & r & & fiuv=3hyv="& & [z Yfi>t fi & ! vYr>w >v s fi>v yvzy>=r >vu > yfiJxy
>v J=> fiwUj dfi v v | >Y=fiY=fi< fi x>v< r <u| r< Yfi>! <fiZauv [zy >v="& & 3

hfi tyr Yxv yv sfi>v yvxy>uJ <Yx J <v<1J>v yv J! rYu ufi| Yr <fi| =fiY>yv Uj dfi v t fiY>fi =>t xfiYfiw>yv
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t yr &sv>3hyz=>rYv>fZr vY !>=>J >v -Yfi>UY>frit J r<d=>=>J >v. fiw773q&&Tx3hyv Uj dfi v trYv] >Yu >fi
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hyv &r]z&J& Uj dfi vvyvxy>=fij u sv =>[yvYz&= zX >v **pH3y9Fd3HY** Z=fi vYyrYt v&vY>=<=>v& zY
r!r<=J r<=vuzr wtz z<=3mfj trYufi >=J=>Yx >v! <fix <=& zYx zX>wrt v =>v Nyr! >=8.3

o'4 6H b 65 H63. W5 H9069 c 64 y05 m53 RAm7 H65 y3 WTM FR69®

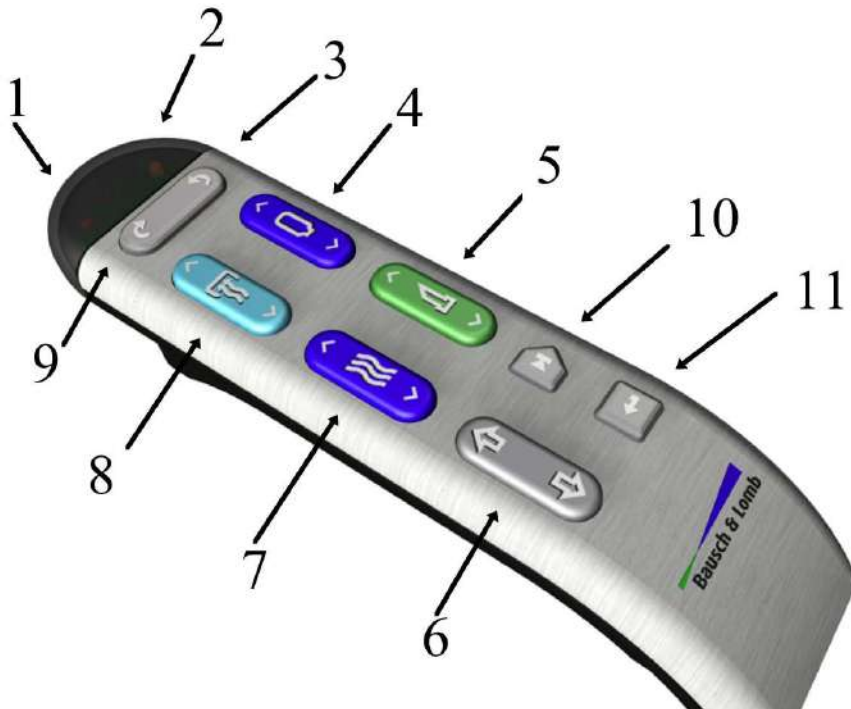


b W q h m l U *q - ' 9'4 6H T85 H634 F56H'y H97966(y5 (F56HHH98H)jy3' Cq - ' 9'4 6H T85 H634 MHE*
73yTM (5 y HH98 T8V'97969 I6 MF (5 H' HH98 (03 C

Gf' HB) p H9H

hyv <&fi> t fiY<fi> <Y=&Z> r YZ Y<u => xYr >fi r <vZv<r> >v s fi>fi & fiw>v >fiJ t y <vY3Rfi<t <Z r
wYt >fiY=“fiJ tr Yrt >Zr> r t fi<&r Yu uz>t>“ >fiJ xy >v <&fi> t fiY<fi> 3hyv t fi<&r Yu=[yZ y &r“ sv xZvY
wfi& vrt y <&fi> t fiY<fi> sJ>fiYr<v >fi[YZ YRZJ <v637: 3

hyv <&fi> t fiY<fi> >=! fi[v<u s“ > fi L L sr>>v<v= [yZ y >fiJ u sv <! r t v u [yvY>v fi[sr>>v< xy>t fi<v=
fiY3Lttv=>v <&fi> t fiY<fi> sr>>v<v=s“ <&fiZzYx >v sr>>v< t fiZv<fiY>v srt Ωfiw>v <&fi>3



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63Xfi[M>>v< Xxy>73h< Y=&Z>Yx gZ Yr Xxy>883b v] >dyr=>393Mi>v T vzy>fi<d<v= <v u
Uw=>fiY3
: 3dyrt fi l j >v t >fi<“ fi<NfirxJ r>fiY3; 3j ! r Yu Ofi[Y3A3R fi[3B3j rt JJ &3C3d <ZfiJ =dyr=>3
653f v=<Zvu wfi<RJ >v i =>3663P Y>v<3

UY>v r Y>v<fi<ufi<rZyl>v <&fi> t fiY<fi> tr Ysv J=>v >fi rt >Zr> wYt >fiY=>Y>v 2d<&v r Yu hJ Yv# [zYu fi[fiw
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2d<&v r Yu hJ Yv# [zYu fi[3d<v=>Yx >v 2PYv<v sJ>fiYfiY>v <&fi> t fiY<fi> rt >Zr>=>v =>v t >v wYt >fiY3



l 6HU

0HB: / j j B[IB]] H L k I A : B [B R U q B A I D U R j H B [B R U j B = U S j [U L I D j H B] “ j j B R I] j U : B I A I B I D [R U [B j H S
C6-A “ j 4



l 6HU

n j I] “ U k [[B] V U S] I : I I I j “ j U A I [V U] B U D : / j j B [IB] I S /] / I B / S A B S q [[U S R B S j / I L “ 3 [B] V U S] I : I B R / S S B [I S / = U [A V S = B . x l j H I L ≠ L [B F k L / j I U S] 4

73M u VB / j U ,] s / S k / L

M C O u 67 h t

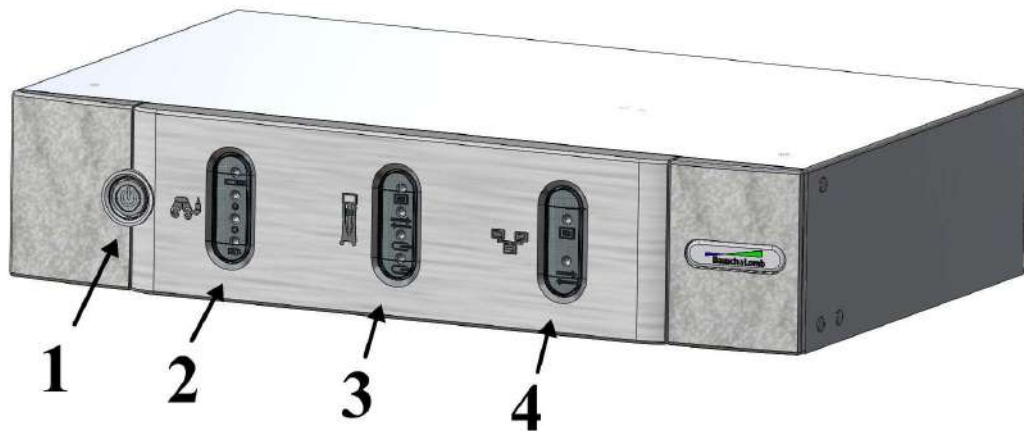
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k MH4 ' 0y b '5H9.k k b/

hyv a N-zwZrzs v. fiZaiv=&v>v>vZvZaivfi fiY>v=&v<v r =&v<vYrYü &v<v fi! v fiZv<v" tr! rszsz'3hyv a a N=&v!! fi<v b hgN rYü dL X vfi<er>t fi&v! fi=&vZvZaivfi rYü gZaivfi l fi<v Rzvk zv uxzx tr<v v<v 3



RxJ<v637; 34 0Y SRNqSGS2 I4 4 qM

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Gf 'HB) pH9H

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l 6HU

dS UDjHB3jHBDhjHBjSBj =>: IBR/ " : Bk]BA x ljHjHBpH3y9Fd3HY qljIUS BSH S=BRBSj
j"ljBR jUBlj/: IIjHUj [B]jUB=>SSB-jIUSj4



l 6HU

0HBs s f Ij SUj ISjBSABA D[AI/ FSUjI= Vk[VUjB]4

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- a J >&vuzr NvYv<&J=>sv zY=> vu fiJ>uiv fiwzyv =>v<v wv u3
- Ofi Yfi>! rtv M r Yt vu gr >gfi J>fiYsfi>v=fi<fi>v<t fiYx zYv<=fiwJ zu fiY>fi! fiwzyv a J >&vuzr
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5HL L Y@Mx(9 0@E665, z qQ(qYXk&(x@9 0@E66pxXmxkX@Ez®

tX L	5, z qQ(qYXk
MJv<fi>y Zv<=fiY	j 93 tfi&! xY>
c! v< >Yx wv%vYt"	79573 xfi 79B53 a T• -! v<RNN w f Rf a gf.
c! v< >Yx uz=> Yt v=	b fi &zYz&J&
f r YXv=	65 &v>v<=>-&r] z&J&.

73M u VB[/jU,] s /Sk/L

MCOu67ht

t&L	5, zq(QYXk
k z v=vŵYt >fiY=4 tr!rsz z v=	k z v=vŵYt >fiYr z' z=ŷv t &v r=ŷr>zYŷv [z v u t fiYwJ < >fiYrYü z=t fiYwJ < s v s“ ŷv J =<r=uv t < s v u zY gvt >fiY63673
RNN Nfi&! z Yt v	Nfi&! z v=[z y dr < 6: fiwŷv RNN -i 3Rvuv < Nfi&&J Yä r >fiY Nfi&& z=fiY. f J v=3c ! v < >fiY z= s @t > >fi ŷv vfi fi[zYx > fi t fiYü z >fiY=D6. ŷ z=uvZä v & r“ Yfi > trJ => yr < &w zY < w < Yt vlr Yü 7. ŷ z=uvZä v & J => r t t v! > r Y“ zY < w < Yt v < t v zYü l zYt J uzYx zY < w < Yt v ŷ r > & r“ trJ => J Yü v= z v u fi! v < >fiY3

hyv pHy9Fd3HY Z=fiYvYrYt v&vY=>=>v& z=t fi&! r > s v [z y v z y v < ŷ v d < & r <“ -Uŷ v x < > u. Rfifi >
NfiY > fi < > ŷ v g > Yür < Rfifi > NfiY > fi 3h yv d < & r <“ -Uŷ v x < > u. Rfifi > NfiY > fi t fiY > zY=r r =< w zYx > > zä y l
r Yü tr YJ => v z y v < [z v u fi < [z v v=t fi & & J Yä r > fiY 3h yv g > Yür < Rfifi > NfiY > fi z= z & z r < > fi ŷ v d < & r <“
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zY < v < yr Y v rs v3



l 6HU

nS jHj] R/ Sk/ I2jHBjB[R i Uj f USj[UY x ILLISA t jBISD[R/jIUS jHj/ VMIIB] jU: UjHjHB
v [IR/ [“ -nSjBF[/jBA. i Uj f USj[UL/ SAjHB yj/ SA/ [A i Uj f USj[UL



RxJ < q63/ A372Y N2+ IyGjSV2NjSRM zzj q zGj2z T NGR Bj NGR N2R t zzj q zGj2z T3



RzJ<φ3/B37'NPS- SGj zU7 2Y N2+ IyGjSV2NjSRM zzj q zGj2zT42 BjNCRN2Rt zzj q zGj2zT4 02YGV Bjz2NNS3

hyv d<&r<' -Ux<x< >u. Rfifi>NfiY<fi t fiY< zY=r YzY< <Yr l< t yr< <vrs v sr>><'3h yv sr>><' t fiZv< yr=> yv sr>><' => & s fi fiY z3

hyv sr>><' & J=> s v t yr< <vu fiZv< Yxy> ! <fi< fi zYz< [z v=J=> l fi< < < < v => => & z= < v v fi< & fi< < y r Y=> Zv Y ur=> => f v w< fi yv sr>><' t yr< < zYx fi! < fi Y=> t < fi Y fi Y! r xv φ2 93

e 66Hb 65H63a yH9@o '73yTM4 '5HU



l 6HU wBMZ => SF jHB: / jjB' " x HBS jHB] " jBR I] VUk B[BA kVx ILLAI] / : IBjHBv [IR / [" -nSjBF / jBA. i UJ f USj[ULx I[BIB]] Bj kV40U[B3BS / : IBx I[BIB]] Bj kV2]BBV/ FB-73064

63 d r t v > yv d<&r<' -Ux<x< >u. Rfifi>NfiY<fi J! => u v fi[Y fi Yr wr> < u<' => < wt v3

73 c ! vY> yv sr>><' ufifi< s " ! < => zYx > v < < < < v=> fi Y> yv ufifi< < fi[r < < < yv sr>><' t fi & ! r < < < v Y> r Y u < < Y> yv < fi r < < yv=C5quvx< v=r[r " wfi & > v t v Yv<3

83 f v & fi Zv > yv sr>><' [z y < fi wYxv< y fi uzYx fi Y < fi > yv sr>><'3

93 Mvfi<vZf> zYx >v <! rtv&vY>sr>><“lt yvt Ω>v sr>><“ v vt>>r t fiY>t>>fi vY<v >v“ r<t vrY
r Yu w>v fiwt fiY> &zY>fiY3

:3 U>f> >v Yv[sr>><“3

;3 d<v=>v ufifi<fi[r<v >v t fi&! r<&vY>r Yu vYrxv ufifi< r>v v=>fi =vt J<v “ t fi=>v >v sr>><“ ufifi<3



I 6HU

i ULLk ISF]“jjBR jHkj AUk S2x / Ij / RISIR kR UD7O+B=USA] : BDB[B[B]j/ [jISF jHB]“jjBR 40HB
j“jjBR I] ILIL“ jHkj AUk S / DB[jHB DUSj V/ SBLVUk B[: kjjUS ILFHj =H SFB] DQR AIR jU: [IFHj4



RxJ<v63/C3pNjS2+ Pz- @N2j- SG XYW2SPS99 IN2zX9Mz UNPYNS ONjS2+ 2S@NPS- SG3



I 6HU

e B]k[BjU]B=k[BL“ =LU]B: /jjB[“ AUU4



I 6HU

d : /jjB[“ Rk]j : B IS]j/ IIBA IS jHBv [IR/ [“ -nSjBF[/jBA. i Uuj f USj[UL/ j / ILjIR B]2x HIB UNB[/jISF
BjHB[x I[BA U x I[BLB]]2jUBS]k[BV[UNB[UNB[/jILS4



XPO g“&s fi vfi<M>><“ fiY d<z&r<“ -U>v x<v u.
Rfifi>NfiY>fi



I 6HU

0HB Ukj3UDD =jU “NI[BLB]] y“jjBR yBjkVI] g I]/ : IBAY4yUDx / [BkVF[/ ABx IIL/ I]U[B]Bj jHB
NI[BLB]] y“jjBR yBjkVjU g I]/ : IBAY4



I 6HU

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f USj[ULx I[BLB]]]BjkV4

M/CQa67ht

u VB[/jU,] s /Sk/L 73MD



l 6HU

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l 6HU

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l 6HU

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I] IS jk[FI=L U jBjkV] =BBS]40U =USIDFk[B] “]jBR jU x I[BIB] UNB/ jIUS2]BB jB=jIUS US NI[BIB]
v [IR/ [“-nSjBF/ jBA. i Uj f USj[ULy “]jBR yBjkV2V/ FB-73064

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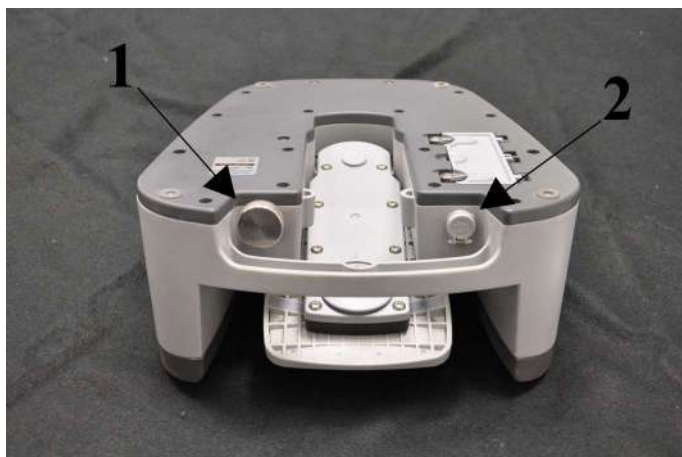
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XPO g “&s fi w<f vru “ fiYd<&r< “-Ux<x<u.
Rfifi>NfiY<fi

k yvY fi>zYJ =v l jyv d<&r< “-Ux<x<u. Rfifi>NfiY<fi trYsv =fi<u fiY jyv srtΩfiw jyv pH3y9F d 3HY Z=fiY
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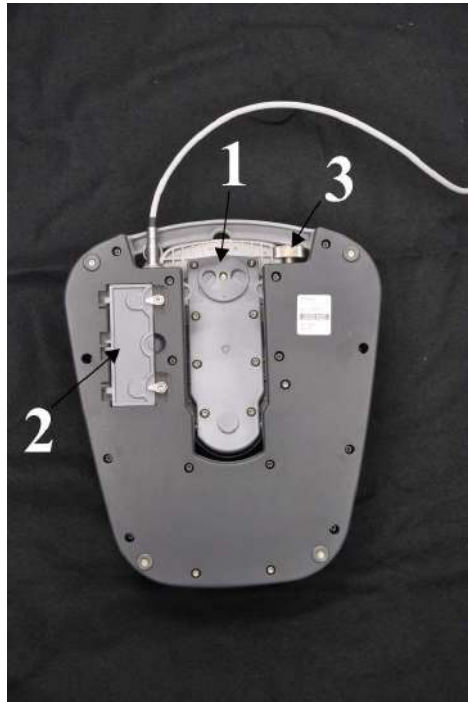
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NfiY<fi 3



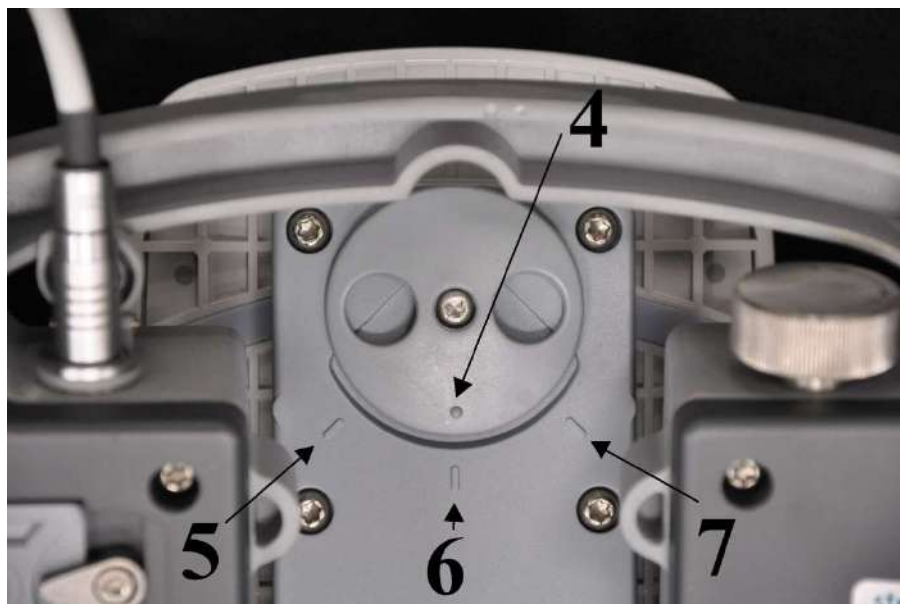
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RzxJ <ϕ.8837SRN'6 U9Sj BXYPWyGRYjz2 IhMNGR7SRN'6 U9Sj 7z9YYG9 li akaNGRI M

93dvur c wv>g[zt y Uúzt r>fi<3: 3Xvw>c wv>vfi<=<v& =>J! fiw vw>vfi>fi! v<vfiY.3
; 3NvYv<d fi=>vfiY-vfi<=<v& =>J! vfi< vw>vfi<<xy>vfi>3
A3f zxy>c wv>vfi<=<v& =>J! vfi<<xy>vfi>fi! v<vfiY.3



I 6HU

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i / IILk[BjU/ IFS jHB ISAI=jU / VV[UM[I/jB< x IIL=jk]BjHB v [IR/[< -rSjBF[/jBA. i Uj f USj[UL
jU: B=URBISUNB[/ : IB4r Bp U] [IFHj UD)Bj VU]ljIUS]BIB=jIUS] lj[I=jL< DILLk]<ljBR]UDx/[B
V[UF[/RRISF D] r Bp U] wIFHj D]j UNB[/jIUS]4i U B</RVIB2IDjHB]<ljBR I] V[UF[/RRBAjU
[IFHj D]j UNB[/jIUS2jHB ISAI=jU -M =>S USL< : B]Bj jUf BSjB[-P. U] wIFHj u D)Bj v U]ljIUS -T.4

Gf 'H5) pH9H

t 0' 3 FFn904 y9@.h5H) 9yH / e 66Hb 65H63p@HH4 p' HM



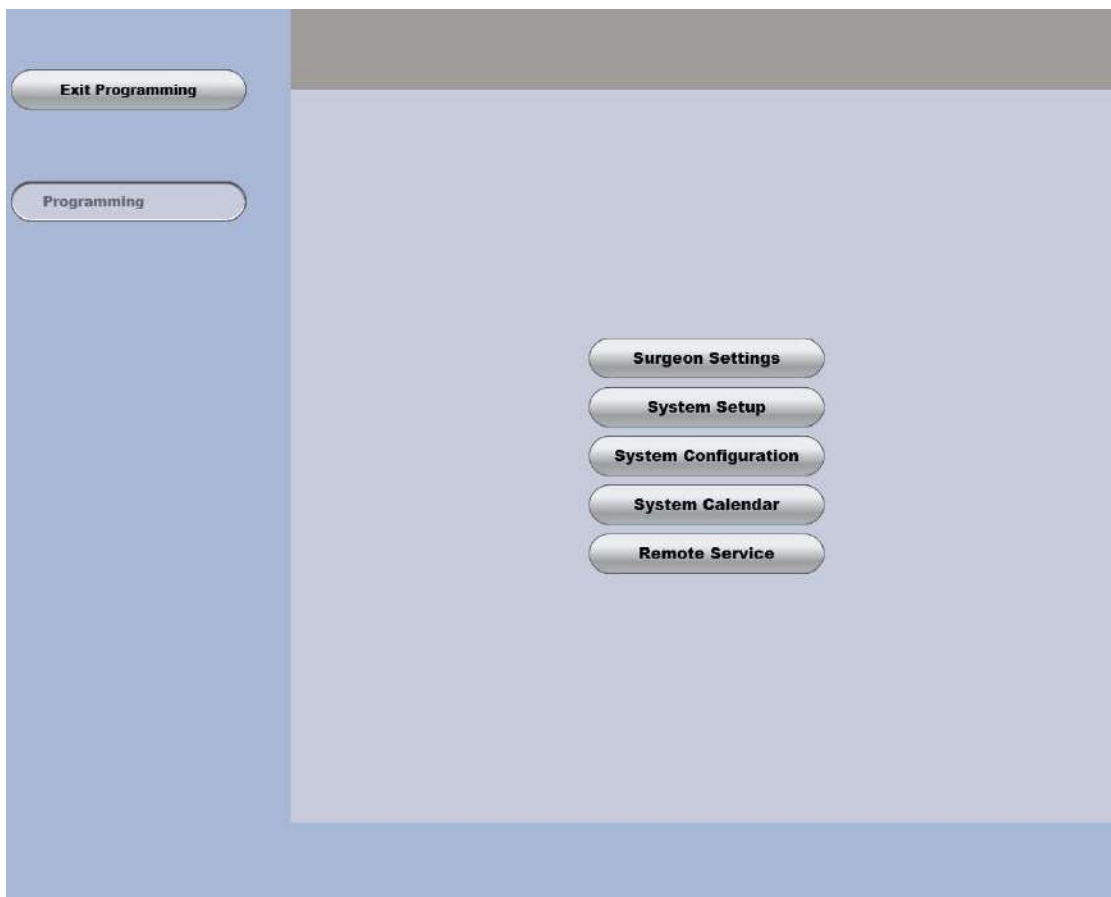
l 6HU

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NI[BIB]] y "[jBR yBjkVjU g I// : IBAY / I]U4

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g>v! 6Dgv vt>2d <fix< &&zX# wfi& gvJ! fi<2 gv vt>gJ <vfiY# =<vY=3

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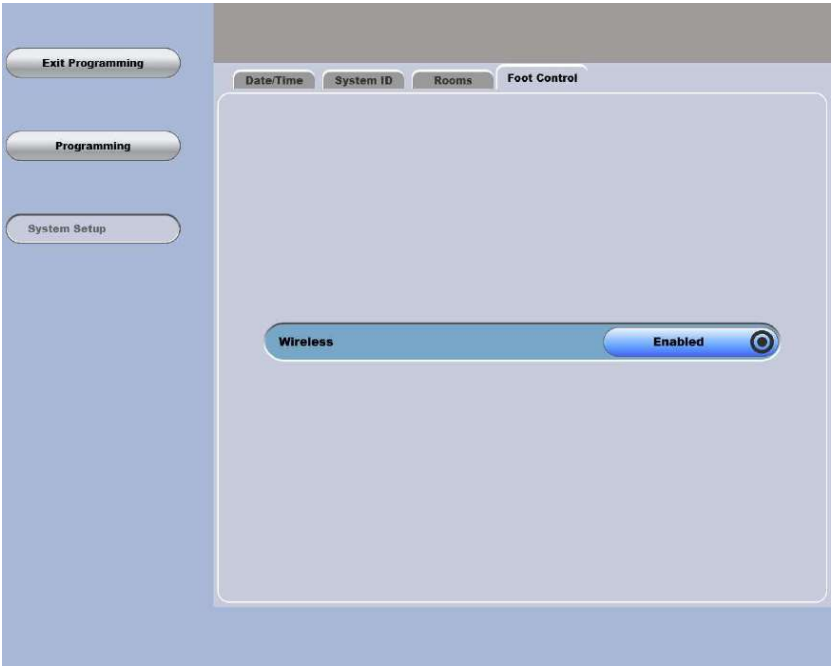


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7306 u VB[/jU,] s /Sk/L

MCCa67ht





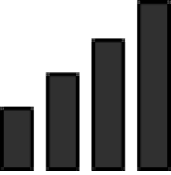
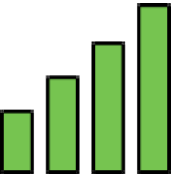
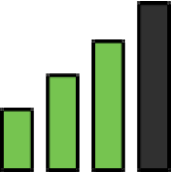
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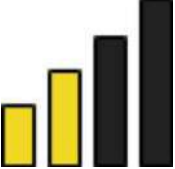
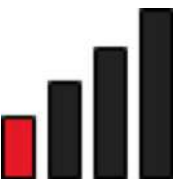

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*n904 y9[®].h5H) 9yH / e 66Hb 65H63pHMFy5 t 0'3 FFp0 5y3pH'5) H
k 'H9 c (H73y[®]*

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n05, B TM 6 TM , z	30L Y [®] CtkXz) @Yz vF pxxX mxkX@E5zXH,	5WYXH&	i q0Xk
	k zvu fi<k z<v v=	g“=>v& uv>t >Yx [zvu d<&r<' -U<vx<r>vu. Rfifi>NfiY<fi	b fi rt >fiY<v% zvu

nQ, E™ 6™, z	3Q Y® CkX) @XvF pxxX mxkX@E5zXH,	5XYXH&	i q0k
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n&, EY™6™, z	3@ Y® CkXz) @Xz vF pxxX mxkX@E5z XH,	5XVXH&	i q0Xk
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	k zsv v=-g“=>x& uz&s vu [zsv v==>v% !.	g“=>x& fi=>[zsv v= t fiYYvt >fiY=>x Yr uJ <ZYx ! <fi vuJ <v3 g“=>x& [z rJ >fi&r >fi “ t fiYwxJ <v >fi [zsvu fi! v< >fiY3 hyv >fiY<v&r zY= JYz t fiYYvt >vu [zy d<v&r< “ -Ux>v< >vu. Rfifi>NfiY>fi trs v fi< &r YJr “ <v2 fiYwxJ <v= =>=>x& >fi [zsv v= t fiYwxJ <v >fiY3	NfiYYvt >d<v&r< “ -Ux>v< >vu. Rfifi> NfiY>fi srtv! trs v >fi <v=> &v fi! v< >fiY3 b fi>vD g“=>x& [z <v&r zY zY [zsvu t fiYwxJ <v >fiY >yv Yv] >v&v =>=>x& z=! fi[v<vu J! 3hfi t fiYwxJ <v =>=>x& >fi [zsv v=fi! v< >fiYl=>v =>t >fiY fiYk zsv v= d<v&r< “ -Ux>v< >vu. Rfifi>NfiY>fi g“=>x& g v% ! ! rxv%2 53



l 6HU

n[IF/jIUS Uj ISId]IUS x IIL: Bjk[SBA ut / SA UjHB[IdS=jIUS] x IIL: BAI]/: IBA x HBS jHB]“]jBR
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ayH9®k y5y)'4'5H



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M/CQa67ht

u VB[/jU,] s /Sk/L 730C

Gf 'H5) p9H

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RxJ <v63; 3t zzj q zG2z“ONjjS2+ q W2VGV q 2NR93

a yH9@b - y9) (5) m7H65F



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0HB:/jjB[“]HkIA : B[BR UqBA IDUR jHBv [IR/[“ -nSjBF[/jBA. i Uj f USj[ULIDjHB] “jjBR I] jU: B
IAIB ID[R U[BjH S]BqBS A/ “]4



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OUR/zIRI”BVB[ID[R/S=>2jHBv [IR/[“ -nSjBF[/jBA. i Uj f USj[UL:/jjB[IB] -e rMca6.]HkIA : B
[Uj/jBA BqB[“ jx UR USjH]49 VUS [BR Uq/ I2:/jjB[“ Rk]j : B=>H [FBA : B[D[B I] I] jUjBA4



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9]BUSL“ e/k]=H+UR:]kVVUBA x/ IL=>H [FB] -e rMca7.2=>H [FISF =>/AIB] -e rMcaC.2
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N HBS jHBv [IR/ [“ -nSjBF[/jBA. i UJf USj[ULI] =>SSB=>BA jUjHBx / IL=>H [FB[lj x IILSUj =>URRkSI=>jBx ljHjHB]“]jBR / SA =>SSUj : Bk]BA IS]k[FB[“4



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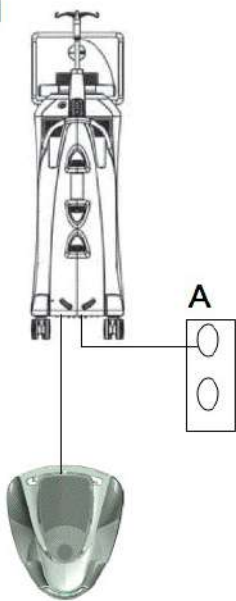
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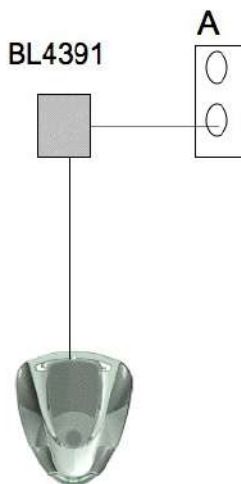
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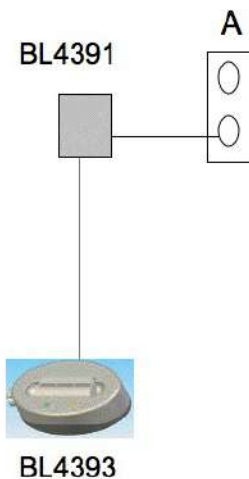
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2



3



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$$0\mathbf{H}\mathbf{B}:/\mathbf{j}\mathbf{j}\mathbf{B}\mathbf{I}^{\mathbf{I}}\text{“}\neq\mathbf{H}\mathbf{I}^{\mathbf{I}}\mathbf{I}^{\mathbf{I}}\mathbf{F}\mathbf{I}\mathbf{S}\mathbf{F}\neq\mathbf{I}^{\mathbf{I}}\mathbf{A}\mathbf{I}\mathbf{B}\mathbf{k}\mathbf{r}\mathbf{p}\mathbf{q}:B=\mathbf{U}\mathbf{S}\mathbf{S}\mathbf{B}\mathbf{j}\mathbf{B}\mathbf{A}\mathbf{j}\mathbf{U}\mathbf{j}\mathbf{H}\mathbf{B}\mathbf{x}/\mathbf{I}\mathbf{L}\neq\mathbf{H}\mathbf{I}^{\mathbf{I}}\mathbf{I}^{\mathbf{I}}\mathbf{F}\mathbf{B}\mathbf{I}^{\mathbf{I}}\mathbf{j}\mathbf{U}\neq\mathbf{H}\mathbf{I}^{\mathbf{I}}\mathbf{I}^{\mathbf{I}}\mathbf{F}\mathbf{B}\mathbf{j}\mathbf{H}\mathbf{B}:/\mathbf{j}\mathbf{j}\mathbf{B}\mathbf{I}^{\mathbf{I}}\text{“}4$$

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a yH^u M⁵ m7' 9y H⁵



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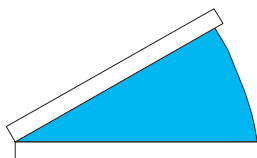
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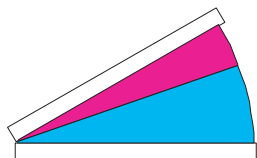
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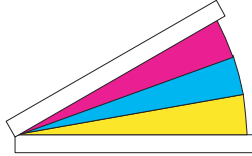
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L wfiJ<fiw>yv =zuv sJ >fiY=fiY>yv d< <v<“ -U>v< <vu. Rfifi>NfiY>fi r<v J=>v< <fix<&&rs v3hyv sJ >fiY=tr Ysv
! <fix<&&vu J=zYx >yv 4 z2S BP2SSG/ N9S2 CNO <fi ru@=> r=>v<! fi[v<J! l r=>v<! fi[v<ufi[Yl <fixx v gzYx v gyfi>4
f v! vr>r Yü <fixx v r=>v<g> Yüs “4“ vru“ 3

73P6 u VB/[jU,] s /Sk/L

M7CQa67ht



RxJ <637372Y N2+ IyGjSV2NjSRM zzj q zGj2z134
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5zqxkvY®Cyt2F pxxXmxkXED ySsebF

hyv gvt fiYur<' -Xl6 . Rfifi>NfiY>fi yr=r &rZY! vur 1r Yu fiYv =l zt y fiYvzyv<=aiv3d<v=Zx ufi[YfiY>yv ! vur
rt>Zr>=yv r=v3

hyv 4 fi =aiv sJ>fiY=fiY>yv gvt fiYur<' -Xl6 . Rfifi>NfiY>fi zYt <v&vY> r=v<! fi[v<J! r Yu ufi[Ylr Yu r<v Yrs vu
>y<ij xy >yv 4 z2S BP2SSG/ N52 CNO-! rxvq7276. lfi<yv dyr=v d<fix< &&zYx gt <vY-! rxvq82C.3

hyv Xl6 -gvt fiYur<' . Rfifi>NfiY>fi fi! v<=zY[zvu &fiuv fiY“1r Yu t fiYYvt >fi >yv =‘>v& >fi >yv <xy>fiw>yv
t fiYYvt >fiY! fi<vfi<yv d<v&r<' -U>vx< >vu. Rfifi>NfiY>fi 3



RxJ <63983BSPzGRN2+ I/ y6 M zzj q zGj2z134

gvv Nyr! >vq8 vfi<uv>z=fiYt J=>fi&z zYx “fiJ <Rfifi>t fiY>fi 3

nz kXz 63 Q Y 6M CtkXz) 6Yz vF pxxX nXkX 6E

3- Y& 6™, z	nHYEyKzY® nXkX 6E	4z) 0k	30q-	RY% 2HX
i 6r=fiJ Yu	Oz4's vu	f 6	U6zr6fiY	b v] > =J s & fiuv
		f 7	Rz] vu r= 6r6fiY	
		f 8	XzYr <J 6r=fiJ Yu	
	Oz4's vu -[zy f vxfiY7 XzYr < j rtJJ & PYs vu fi < r= 6r6fiY t fiY6fi wr6 <v fiY.	f 6	U6zr6fiY	b v] > =J s & fiuv
		f 7	L= 6r6fiYf 7 & zYz&J & 6fi w] vu ZrtJJ & fi < ZrtJJ & z&z>	
		f 8	Rz] vu r= 6r6fiY + zYr <J 6r=fiJ Yu	
	Oz4's vu -[zy f vxfiY7 XzYr < j rtJJ & Oz4's vu fi < r= 6r6fiY t fiY6fi wr6 <v fiw	f 6	U6zr6fiY	b v] > =J s & fiuv
		f 7	XzYr <L= 6r6fiY uz4's vu	
		f 8	Rz] vu r= 6r6fiY + zYr <J 6r=fiJ Yu	
	L= 6r6fiYfiY“r[-[zy f vxfiY7 XzYr < j rtJJ & Oz4's vu fi < r= 6r6fiYt fiY6fi wr6 <v fiw	f 6	U6zr6fiY	XzYr < r= 6r6fiY
		f 7	a zYz&J & r= 6r6fiY	
		f 8	XzYr <J 6r=fiJ Yu	
	L= 6r6fiYfiY“r[-f vxfiY7 XzYr < j rtJJ & PYs vu fi < r= 6r6fiY t fiY6fi wr6 <v fiY.	f 6	U6zr6fiY	hfi &r] 3 r= 6r6fiY
		f 7	L= 6r6fiYf 7 & zYz&J & 6fi w] vu ZrtJJ & fi < ZrtJJ & z&z>	
		f 8	a zY3r= 6r6fiYr Yu zYr <J 6r=fiJ Yu	
	L= 6r6fiYfiYdzy	f 6	U6zr6fiY	XzYr < J 6r=fiJ Yu
		f 7	XzYr < r= 6r6fiY	
	OJr XzYr < i 6r=fiJ Yu	f 6	U6zr6fiY	XzYr < i 6r=fiJ Yu
		f 7	Rz] vu L= 6r6fiY	
		f 8	XzYr < i 4g RJ Y 6fiY	
U6zr6fiY4 L= 6r6fiY	Oz4's vu	f 6	U6zr6fiY	
		f 7	XzYr < r= 6r6fiY	
U6zr6fiYc Y“	Oz4's vu	f 6	U6zr6fiY	

3- Y& 6™, z	nHYEydkzY® mxkX&E	4z) &k	30q	RY% 2HX
LYv<fi< j z&vt fi&“	Oz&s vu	f 6	U&zxr>fiY	
		f 7	XzYr<L=& z&fiY + w] vu Zz&vt fi&“ [yvYfiY	NJ>v<fiYfiw
	L=& z&fiYfiYdz&y	f 6	U&zxr>fiY	
		f 7	XzYr<L=& z&fiY	XzYr< j z&vt fi&“
	L=& z&fiYfiYnr[f 6	U&zxr>fiY	
		f 7	XzYr<j z&vt fi&“	XzYr< L=& z&fiY
dfi=&v<fi< j z&vt fi&“ LJ fi c Yfi<a r YJr UYw=&fiY	Oz&s vu -Rz] vu tJ>	f 6	XzYr<L=& z&fiY r Yu w] vu tJ> Zz&vt fi&“ [yvY c Y	NJ>v<c Y4 c ww
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		f 7	XzYr<NJ>	XzYr< L=& z&fiY
	Oz&s v -t fi2 zYr<	f 6	XzYr<L=& z&fiY r Yu NJ>	NJ>v<c Y4 c ww
dfi=&v<fi< j z&vt fi&“ UYw=&fiYLJ fi c Y 4& ww	Oz&s vu -Rz] vu NJ>	f 6	U&zxr>fiYc Y	NJ>v<c Y4 c ww
		f 7	XzYr<L=& z&fiY r Yu w] vu tJ> Zz&vt fi&“ [yvY c Y	
	Oz&s vu -gzYx v NJ>	f 6	U&zxr>fiYc Y	gzYx v NJ>
		f 7	XzYr<L=& z&fiY	
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		f 7	XzYr<L=& z&fiY	
	L=& z&fiYfiYnr[-OJr 4nr[j rt.	f 6	U&zxr>fiYc Y	XzYr< L=& z&fiY
		f 7	XzYr<NJ>	
	Oz&s vu -Nfi2XzYr<	f 6	U&zxr>fiYc Y	NJ>v<c Y4 c ww
		f 7	XzYr<L=& z&fiY r Yu NJ>	

3- Y& 6™, z	nHYEydkzY® mxkX®E	4z) αk	30q-	RY% 2HX
P] >Juv	b 4L	f 6	XzYr<j rtJJ&	XzYr< NfirxJ r>fiY zw d<fix<&&vu
P] >Juv	b 4L	f 6	U&xr>fiYc Y	
UW=fiY LJ>fi c Y4 c ww		f 7	XzYr<j rtJJ&	
R<x&vYr>fiY	OzTs vu -XzYr< R<x.	f 6	XzYr<j rtJJ&	hfixx v i 4g gJs&fiuv
		f 7	a r] j rtJJ& XzYr<i 4g	
	i >=fiJ Yu fiYmr[-OJr 4nr[i g.	f 6	U&xr>fiYc Y	XzYr<i 4g
R<x&vYr>fiY UW=fiY LJ>fi c Y4 c ww	OzTs vu -XzYr< R<x.	f 6	U&xr>fiYc Y	hfixx v i 4g =Js&fiuv
		f 7	XzYr<j rtJJ&	
		f 8	a r] j rtJJ& XzYr<i 4g	
	i >=fiJ Yu fiYmr[-OJr 4nr[i g.	f 6	U&xr>fiYc Y	XzYr<i 4g
		f 7	XzYr<j rtJJ&	
j zt fiJ=R Jz1 NfiY>fi	OzTs v -Rz] vu U@t>XzYr< U@t>Rz] vu P]>t>fi<XzYr< P]>t>	f 6	U@t>Rz] vu.1 U@t>XzYr<1 P]>t>-Rz] vu. fi< P]>t>-XzYr<	b 4L
	L= zt>fiYfiYmr[-OJr 4nr[j rt	f 6	b fi v Yt>fiYfi< U&xr>fiYc Yzw zYw=fiY>v! v LJ>fi c Y4c ww	XzYr< j rtJJ&
		f 7	U@t>-XzYr<	
XzYr<NfirxJ r>fiY	b 4L	f 6	XzYr<NfirxJ r>fiY	b 4L
Xr=><	L Xr=><a fiuv=	f 6	XzYr<j rtJJ&	b 4L
Xr=>< UW=fiY LJ>fi c Y4 c ww	L Xr=>fiYc Y	b 4L
		f 7	XzYr<j rtJJ&	

PNPTMEHL dYXOk pHkqXOk



I 6HU

0HBnIkRIS/jIUS =USj[UI] =/S : BAI]/ : IBAjH[UkFHjHBh3M4 6yM9Fqyz US jHBb MH44 qP
q'TM508M V[UF/ RRISF]=BBS -V/ FB-3T. 4



I 6HU

nIkRIS/jIUS I] SUj / q/ IL/ : IBx HIBIS rnu R UAB4

r zkz 8EckXvHqXOk X &XOk) X-z qXqX)- XE KzE

hyv xJziv zYv= ! <Zaivu zY>yz=vt <fiYr < sr=vu fiYUgc 6: A 7D555-P. 1Ugc 6: 5592D55A-P. r Yu Ugc 40Ugc
6: A 73

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&fiuJ v < fi vYr Yt v >v =J <vfiY=rsz z' < fi =v vwwt >Zv " uJ <Yx ! <fi vuJ <=3hyv fiJ >J >wfi& >v z J &zYr <fiY
! <fi v tr Yr < < zYyzy2J &vY vZv =zwYvvuvuEz= w.>vu < fi &zYz < v yr • r < fiJ = zxy <Er Yu z=Zv < " ww] < v l
! <fiZauZx vr = " < fi rtt v = t fi fi < w.> < fi ! < fi Y= < fi vYr Yt v = w> " r Yu < =J v Z= z z z' 3

L= [zy r Y " yzy zYvY= z J &zYr <fiY= =>v& J =vu zY >v v " v l tr < v =Yvvuvu uJ <Yx J =v < fi <vuJ t v ! fi <Yx < wfi <
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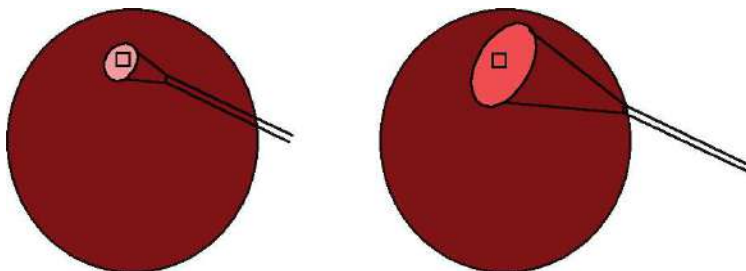
t Wo l hl f U q- ' 3)- H 4 (H (964 HOF 6H9M ' 5HF76H5M; 3@- yfhy 9 6MCW60 T65TM5HyM5) H'
(BM 6yM65 6MIMH5 y E4 y3y9'y 6(H' 9' M6y (69796365) ' 7'906 F6(M' M M H'
76H5M; 3(697- 6M9' M6M6y5 F 906M7'94 y5' 5HyM 5H5M@p' H' BM 6yM65 3 V 3H
H' 4 (504 M 5' ' M 7'9(694 H' FM) 0y3796TM M' C

hyv < r < < fi &vt yr Yz= &=s " [y < y yr < < tr Ysv zYuJ t vuD

— dyfi < fi < zYz= 2! yfi < fi yv & < r zY@ < " < fi >v < zYr < =J < Yx wfi & zYvY= v zy >v] ! fi =J <v

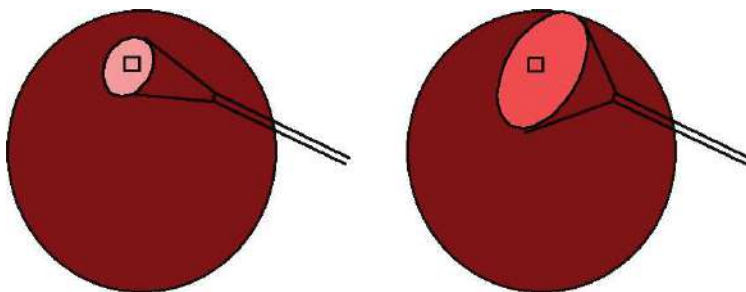
— hyv < < r

Uxsfy tr =v = >v ur &rxv z= tr J =vu s " >v zYvY= z' fiw zy > r > r xZvY ! fi zY < Yfi < < r " tr vu 2 z < ruz Yt v # r Yu
J =J r " &vr =J <vu r = ! fi [v < ! v < =J r < v Yz & v < < 3hyz < vr Y= > r > >v < =J fiwyr < < zYt < r =vu [yvY >v
z J &zYr < fiY ! < fi v z = & fiZvu t fi = < < fi >v < zYr Dr > r uz < Yt v fiw. q& & wfi & >v < zYr >v z < ruz Yt v z= rs fiJ >
< z v > r > fiwzyv ! < fi v r > Ag & & 3



RxJ <v6393y22NRNGPS N9 N10 GHY Gz UR0jNGPS3

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r Yx v ! <dis v svtrJ=>yv =&v >fi> zxy>fiJ>J>=t fiYt vY< >u zYfi r =&r v<r <v fiY>yv <=Yr3hyv J&vY=
&vr=J < &vYr =fi >Ω= zYfi rtt fiJ Y>yv =>Y=>Zz< fiw>yv yJ &rYv<v >fi u>w<Y>[rZv vYx>=fiw x>y>

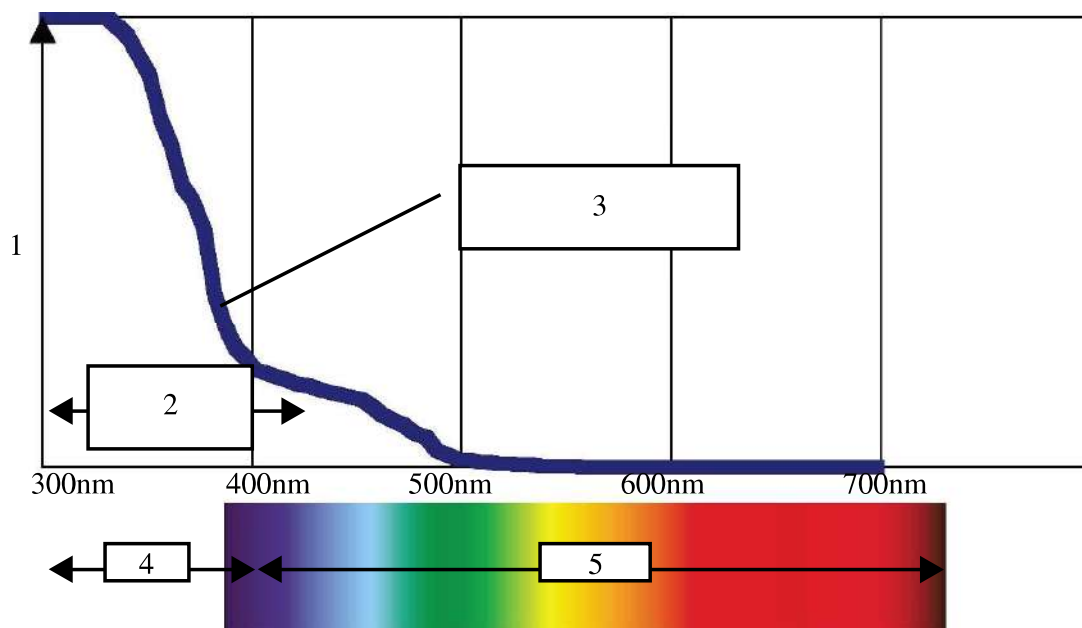


RxJ <v63: 3y22NRNGPS N9 N10 GHY Gz U@2z0S j+@83

3- xXx@Xk006

p'5HMMIOV9F F“yV35)H

hyv <=Yr z=&fi< vr=>“ ur&rxvu s“ J >Zfi v>rYu Zfi v>S Jv x>y>>YrY>=s“ x>y>[z>y fiYxv<
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x>y>rYu Zfi v> x>y> >S J>D>=Yfi>! fi=>S v >fi v z&zYr> &fi< fiw>yv ! yfi>fi>] z zYwJ vYt v [z>yfiJ >=xYw>rY>“
uzt fi fi<Yx >yv x>y>fiJ>J>



RzxJ <v63; 37 Wz.jzjz &P9SG9YI Y+ 19c TWW XNLS'SGVjW8

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:3j Z= v3

b fi> >r>>v] vYfiY r&! yr=r x<r>> <! yfi<fi<fi] z vwwt>>rY] vYfiY2&v< J<“ wfi<>v &v r!! r<vY>s <xy>Yv=3

q04 ' '7'5 '5™

hyv <QfiwuvZv fi! zYx ! yfi<fi<ZvZv=uv! vYu=Yfi>fiY“ fiY>v zYvY=“ fiw xzy>Sj>r <fi fiY>v uJ <fiYfiw>v vJ! fi<Qv1Zv3>v <fi ufi=viwzYvY=“ >Zv=viwJ <fiYfiYJ>=sv >ZvZv <fi! <ZvYur>r xv3hyz>r!! zv=<fi rY JYzYv<J! xu svr> r>r! r<J r<! fiZv>fiY>v <Zv3b fi<R <QZv r! <fi vUJ <=ufi Yfi>zYfi Zv vJ! fi<Qv fi r =Zv v! fiZv>fiY>v <Zv r Yu & fiZv>vY>fiw>v xzy>xJziv [fiJ u sv vJ! vt>v <fi vJ>vYu>v >Zv svvfi< [yz y ! yfi<fi<ZvZv= & xzy>fi t J <3



b W q h m l U *q* - ' 30) - *H* 4 (H (964 *H* (F5 H9M '5 H F76 H5 M) 330 - y f y 9 6 M F . F ' H 0 56 H z ' 36 " / C q - ' 365) ' 9 H ' M y I 65 6 (' ' ' 76 F M P ' A H ') 9 ' y H 9 H ' 9 0 E 6 (6 T M y 9 y 4 y) ' C d ' ' 76 F M P ' I 6 30) - *H* 964 *H* (F5 H9M '5 H - ' 5 67 ' 9 y H y H y 906 M F 6 M F M F 4 y @ ' ' T M ' H ' F y (' I 6) M 0 ' 35 ' y (H 9 H ' I 04 ' F 3 H H 05 H ' N z 3 z ' 36 " - ' 5 M F " (H y a y M T M : j 64 z (6 T y 3 I 87 ' 796 z ' U

Time to exceed 10 J/cm ² weighted radiant exposure guideline, in minutes, at a working distance of 15 mm.								
Lamp Filter:	Mercury				Xenon			
	None	Amber	Green	Yellow	None	Amber	Green	Yellow
Setting: 100%	36	>120	42	54	18	>120	20	26
60%	61	>120	70	90	30	>120	34	44
50%	73	>120	83	108	36	>120	41	53
40% Default Setting	91	>120	104	>120	45	>120	51	66
30%	>120	>120	>120	>120	60	>120	68	88
20%	>120	>120	>120	>120	90	>120	102	>120
10%	>120	>120	>120	>120	>120	>120	>120	>120



1 6HU

0HB&VU]k[BIDUR / ILIIFHj]Uk[=B] I] &RkLjIqB/ SA/ AAjIqB4



1 6HU

nDjHBISjBS]lj“ UD'S“ UDjHBILIFHj]Uk[=B] I] [BAk=BAjUC6' UDjHBR/ zIRkR ISjBS]lj“2jHB
 &VU]k[BjIRBID] jH'j IIFHj]Uk[=BjU[B' =HjHB&VU]k[B FkIABUSBI] AUK: IBA40HI] IUSB' [
 [BLjIUS]HIV =S : Bk]BAjUABjB[RISBjHBjIRBjU[B' =HjHB&VU]k[B FkIABUSBI] jHB
 =UR: IS/ jIUS UDILIFHj]Uk[=B] / j q/ [IUK] ISjBS]lj“]BjjISF]4



1 6HU

0HBnyu 7066M8b866Tx BIFHjBA [/ AI/ Sj &VU]k[B FkIABUSBI] 76-65R⁸⁴



1 6HU

NHBS k]ISF.jx ULRV] jIRkIj/ SBUK]L“ / j / [: Ij[/ [“]BjjISF]2jHBID[RkL ID] =L&LjISFjHBjIRB
 jU[B' =HjHB&VU]k[BjH[B]HUA x IjH: UjHLRV] [kSSISF I]b
 j=e-75)-j7-5j72766.1 -j8-5j82766. +x HB[Bb

j=e- jIRBjU[B' =HjHBjH[B]HUA ID] jHB=UR: IS/ jIUS UDjHBjx ULRV]

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j82766 c jIRBjU[B' =HjHBjH[B]HUA x IjHLRV8 / j 766'



1 6HU

0HBk]BUDD: B] x IjHx IAB[DBIA] UDILkRIS/ jIUS jH' S ID= LV[U: B] / j jHB]/ RB]BjjISF/ SA
 x U[KISF AI]j/ S=Bx IILIS=B']BjHBjIRB: BID]BjHB FkIA/ S=BjH[B]HUA I] &=BBABA4

6- z Q YE

Txy zYvY=Z' Z=Z v r Yu zYw<u xxy>Z=rs=fi<svu r=yvr>zY>yv <zYr 3hyv **pH3y9Fd3HY** zYt Juv=w>x<=fi <v&fiZv >yv JY[r Yvu zYw<u wfi& >yv xxy>fiJ>J>sJ>>yv Z=Z v xxy>r =fi t fiY<Z J>=fi >yv yvr>rs=fi<svu s“ >yv <zYr 3

Ugc 6: 559Z/D55AruZ=V= z&z=fi >yv >yv<er ! fi[v<uvY=Z' <vt vZvu s“ >yv <zYr -zYk ! v<t &ö 3i Yzlv ! yfi<v<zYz=I >yv=v z&z=r<v Yfi>v2v r>vu3k zy >yv yzy zYvY=Z' fiJ>J>fiw>yv **pH3y9Fd3HY** Z=fiY vYyr Yt v<vY>=I'>v& >z=I' fi=Z v <fi v] t vvu >yv=v z&z=[zy r witr ! <fisvr>655) fiJ>J>vZv [zy >yv ! <fisv t fi=v <fi >yv <zYr 3

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hyvtJ<vY>! <2Y=Z' vu w>x<t fi fi<=zY>yv **pH3y9Fd3HY** z J &zYr>fiY &fiuJ v r<v x<vYl“v fi[r Yu r&sv<3 LuuzfiYr t fi fi<fi! >fiY=&r“ svt fi<v r Zr zrs v r>x<r Yu r>t J =>fi<v<= <v%v=>trY<v! rtvrY“ fi<r fiw>yv t J<vY>t fi fi<=3

PNPUM HEXL zvO m kX ©C . nF Gyz) Yq™2, X0kF

hyv a J >vuz NvYv<-a a N. z=J=vu >fi fiZv<r“ >v =J <x r ! r< & v> < fiJ > J>wfi& >v p H3y9Fd 3HY
Z=fiYvYrYt v&vY>=“ >v& >fi >v Zauvfi z&r xv fiw>v =J <x r =>v tr! >J <vu s“ >v fi! v< >Yx & z <fi= fi! v tr & v< 3
hyv t fi&s zYvu z&r xv z=fiJ > J> >fi r Zauvfi & fiYzfi<r Yu4i<r Zauvfi <v fi<uv< >fi s v uz! r“vu r Yu =>fi<vu wfi<vJ >J <v
J=>3

hyv a a N z=b c h zYvYuvu wfi<uz x Yfi=>J ! J< fi=>v=3

h5 H3y H65

63 L=J <v r v% z! & vY> z=J <Yvu fiws vfi< & r OZx r Y“ t fiYYt >fiY=3 d fi= z fiY >v a a N fiYr wr>=J <v t v
Yr< >v Zauvfi & fiYzfi<r Yu4i< <v fi<uv< >fi s v J=>v=3



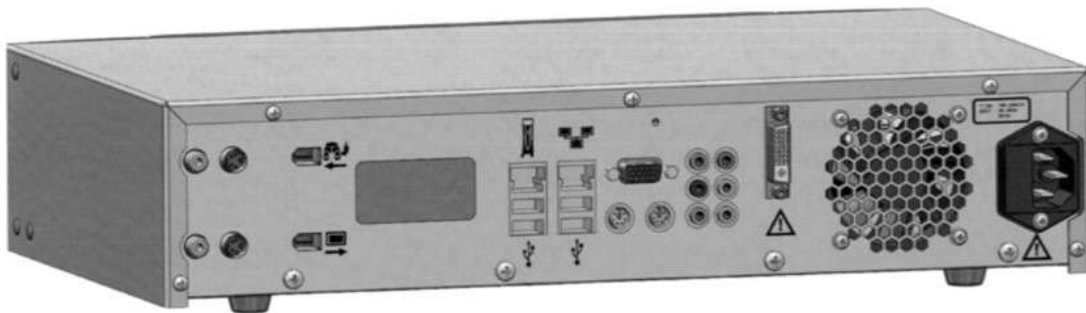
t W6l hl f U q- ' k k b 0F56H6 z' 73y™ 05F0 ' H' 7yH 5H5V0654 ' 5IC



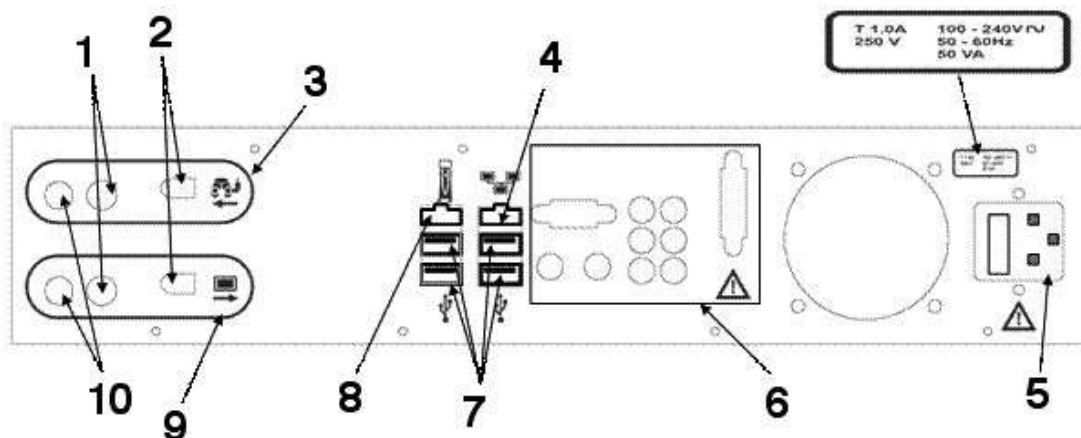
b W qhlml U c 6 56H73y™ H' k k b 65 ' V0™ FH yHy 0yH - ' yIC



b W qhlml U q- ' k k b 4 y@z' y4 y)' Q (3M Fy9' F703' 65 H' 6MH9 ' 5™ 36H0' C

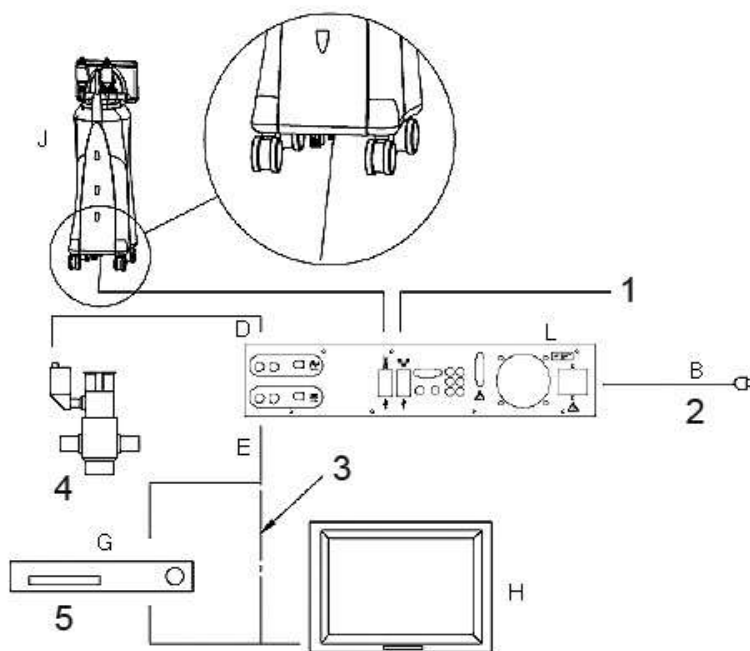


RzxJ <v63A34 0™ SRWq SGs2 I4 4 q M2S2 @NGS'3'



RxJ<v63B3/ N06SR4 4 q ASN23

63g2j zuvf373Rzvsk zv383U! J>wfi& a z fi=fi! v tr&v<3
 93P>yv<v>4 9M 62{ NJ =>fi&v<gJ!! fi<b v< fi<Q NfiYYvt >fi<3: 3dfil v<U! J>3: 3Rfi<gv<Za v c Y“3
 A3j g Md fi<=>Rfi<gv<Za v c Y“3B3U! J>wfi& p H3y 90Fd 3HY Z=>fiY v Yyr Yt v &v Ys=>=>v &3
 C3c J>J>fi Oz= r“ a fiYzfi<3653Nfi&! fi=>zv j zuvf3



RxJ<v63C34 4 q PzGSPjYQ3

63Ux<v>Ux< Yv>NfiYYvt >fiY373L N P vt>ar dfil v<g fil <v383c !>fiYr NfiYYvt >fiYk zyfil>
 f vt fi<vZx OvZa v393j zuvf3 Nr &v< -b fi>gJ!! zu.3: 3c !>fiYr f vt fi<v<-b fi>gJ!! zu.3



93 i =>Yx >vZaivi fiJ>J>trs v-P. !<fiZaivu [>v >v a a NltfiYYt>>v Nc a de gU Pj UOPc c i h fi<
gJ UOPc c i h wfi& >v a a N-X. fi >v J=<=<!! zu Zaivi &fiYzf<-T.3Uuv=>vul >v Zaivi tr=>v
<v fi<v<-S. -!<v<Yr Jt <v<=>vZ=>v t <fiY=<v<v>vJ z <vY &r“ svtfiYYt >v sv< vY >v a a N
r Yu &fiYzf<J=>v J=<=<!! zu trs v-3i =>v >v Zt Juv f NL Vt Q fi Mb Nd Jx rur! <v >vYt v=<v
hyv Zaivi &fiYzf<&J=>svtfiYYt >v fi >v a a Nsvfi<v >v a a N=<v fi[<v J!3U >v a a N=<v
! fi[<v J! [>v Yfi &fiYzf<fi<v fi<v<v fiYYt >vul >v Zaivi fiJ>J>[>v >v fiZv<v“ &r“ Yfi>r!<v r-3
hyv a a N &J=>sv! fi[<v ufi[Yr Yu! fi[<v J! rxrZ[>v >v &fiYzf<v fiYYt >v3



:3 L>ty >v P>v>V>rs v fiY>v srtΩfiw>v **pH3>9Fd 3HY** Z=fiYvYrYt v>vY>=⇒& Nfi& J><
i Y>-V3L>ty >v fi>v<vY fiw>v ur> t fi& JYr>fiY=trs v fi>v P>v>V>t fiYYt >fi<fiw>v a N
-X. rs v vu [> >v **pH3>9Fd 3HY** Z=fiYvYrYt v>vY>=⇒& > fiY3



A3 j v<w> yr>yv &rxv tr! J <u s“ yv=J <xr & <fi=fi! v tr&v< z=uz! r“vu fiY yv Zauvi & fiY zfi3
k zy yv a a N! fi! v<u fiw! yv a a N z=fi! v< >Yx zYr Zauvi s“! r= & fiuv E yJ= yv Zauvi z! J> z=
uz<t>“ t fiY Yt xu <fi yv Zauvi fiJ > J>

B3 hJ<YfiY>yv a a N s“ !<v=>Yx >yv !fi[v<fiYfiw=[zt y3hyv !fi[v<Zyuz r<fiY>yv a a N wfiY>!rYv
[z tyrYxv wfi& r s<xy>s Jv <fi r uz&&v<s Jv3



l 6HU d IIIk jHBs s f jU[j/: III”BjU[UUR jBR VB[/jk[B: BQ[BBSB[FT”TSF4

C3 L w<r!!<fi] z&r> “ fiYv &zY>1Zv<w> >r>>yv MfJ=yQqXi&s fixfi r!!vr<=>ZY>yv fi[v<<xy>t fi<Yv<
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653 hJ<YfiY>yv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>v& r=uz<t>vu zYNyr!>v<63hyv **pH3y9F**
d 3HY Z=fiYvYyrYt v&vY>=“>v& &fiuv r Yu =>v>Yx=ZYwfi<&r>fiY[z Yfi>sv uz! r“vu JYz r =>v<Ar
&fiuv z=vY>vu3

663 j v<w> >r>>yv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>v&=&fiuv r Yu =>v>Yx zYwfi<&r>fiYz=
fiZv<r“>Yx >yv Zauvfi z&r xv wfi& >yv &A<fi=fi! v tr &v< fiY>yv Zauvfi &fiYzfi<3

s 0 '6 b y7H0'

hyv a a Nyr=Rz&k zv ONLa fiJ>J>tr!rsz z“1[yz y trYsv J=vu <fi =>Yu Zauvfi <fi r !v<fiYr t fi&!J>v<
wfi<Zauvfi tr!>J>3hfi >Qv ruZr Y>xv fiw> z=tr!rsz z“1“fiJ &J=>ZY>=>fiw> r<v <fi =>!!fi<“fiJ<Zauvfi tr!>J>v<
=>fiw> r<v3hyz=>fiw> r<v &r“ sv fis> zYvu s“ t fiY>t>Yx MfJ=yQqXi&s S fisr d<fiuJt>gJ!!fi<3



l 6HU d]Iz DUj i I[BNI[B<: IB I] V[UqIABA x IjHjHBs s f RUakIB4

PNPaMY&®pHkqX&k (S^T metly Er^T u BL15455 yky^T o
s r rk)



l 6HU r/]B[Ds=>IUS/ Ij“ R/ “ U R/ “ S Uj : B/ q/ IL/ : IBIS “Uk[[BFIUS4h qBS ID/ q/ IL/ : IBIS “Uk[[BFIUS2
Ij R/ “ U R/ “ S Uj : B IS]j/ IIBA US “Uk[]“jBR4



l 6HU f / IL: [/jIUS UDjHBL]B[Ds=>IUS]HukIA : BVB[DU[RBA/SSk/ IL:2/] AB]=I: BA US V/ FB-P3C4



l 6HU 0HBL]B[Ds=>IUS I] USL“ / q/ IL/ : IBIS vUljB[IU[> UR : ISBA R UAB]4

Gf 'H5) pH9H

3xXzkXVE40B8



c W l f d o U W902 6((0' y5 109'''73R65 '''0HF"- '5 H' 3yF96MIMHFMF 05 H' 79'F5™6((3y4 4 yz3' 4 yH90y3FA63M065F69)yF EA69 05 y5 6''@' 5B590™' '5V0654 '5Ip64 ' 4 yH90y3FB(69'''y4 73' T0H05 "663FyH0yH "0H 6''@' 5 B4 y@z' 0 50H z@H' - 0 - H4 7'yH0'F796 M™ 05 5694 y3M' 6(H' 3yF9'8M74 '5H0 3y4 4 yz3' R63M065FMF (69 T9y505) 69 (H5('T05) A69 R63'5HF6(y - 'R0VFF 6MB z' y36"" ' H' Vy769yH z'(69' H' 3yF9'8M74 '5HFMF Cq- '9' (Fy36 y5)'9 6(0 50065 6('5 6)'56MF)yF IC



c W l f d o U c 6 56H9'4 6V 796H™T™' T0V9FA M 10 F 6T2 -yfy9 y5 y™™H03' 3yF99y 0yH65Co '('9 F9V05) 10 3yF98M300' 7'9R655'3C



t W0 l h l f U c 6 56H9yH4 7H0 67'9yH H' 3yF90 (06MFM7'T™HMF56H'69205) 7967'930Cm530(y™90 H905) 7'9R655'3F 6MB -yV y™™HFM H' 05H9069 6(H' 3yF9C



t W0 l h l f U p05™H' y04 05) z'y4 7yFFF 6"5 H' Fy4 ' '3N'90F0H4 yFH' 0'yH '5H'y4 A0H 796V0 'Fy)66 4 'H6 6(™™T05) H' 05H)9006(H' '3N'90F0H4 CH(H' y04 05) z'y4 F76HMF56H79'F5H9H' 0H3'5 6(H' '3N'90F0H4 A69 0HF05H5H00F9' M™ 69 0R662F Q(M' AH0F0Fy 76H03' 05 0yH05 6(y y4 y)' 69 56H7967'930"69205) '3N'90F0H4 CH(76H03'AH0y Q('9'5H '3N'90' W™CH(H'9' 0Fy50 6MHA™05H™H yM™: j 64 z f 36zy3 n96 MFPpM7690p'' b -y7H90b -y7H90R(69y 3H0(F9V0™(y™00 IC



t W0 l h l f U h5F7'T™H' 4 6V yz3' 4 0'96F07' (0H97'906 0y30z'(69' M' 10 yHMD' H'9' y9' 56 F9yHM'F 69 6H'9 y4 y)'Ay5 HyHHF67'9yH5) 7967'930C



t W0 l h l f U o'4 6V y39'(3'T™ -yfy9 F5'y9 H' 3yF9z'(69' 67'9yH5) H' 3yF9C



t W0 l h l f U W3EM7769H7'9R655'3"- 6 y9' 79'F5H M05) 3yF90'yH '5H4 MH' 'y9y7796790yH 3yF9 796H™' '0"" 'y9C



t W0 l h l f U q- ' 3yF9796H™' '0"" 'y9796V0 ' 0F56H67H4 0P (69 H' y04 05) z'y4 Cc m l mq 3662 0'T0005 10 H' y04 05) z'y4 'V5 "0H 3yF9796H™' '0"" 'y9C

73IM u VB[jU,] s /Sk/L

MCC0a67ht



t W6l hl f U l 'V9362 0'T55H' (0'967H' - 0'M '3N'9FH' y04 05) 69H'yH' 5H3F9
z'y4A" 0H 69" 0H6MBF9Fy('H) 0 " 'y9C



t W6l hl f U dyTM '3N'90 'W-M-yFy 796790H90T55'T55 HyH' 5H0F0FH5F4 0H65
TM'y9yT590H0FC' 'W-MF4 y 'z06H'94 y5MyT59'9F'y556H')M'y5H' H "692 7967'930
" 0H H0F0H4 y5 4 y09'FMBH' 0H'956 67'yH65 69 0yTM0yH 3yF9 '3N'90" - 0'M
T0MB 9'FMBH F906MF7'94 y5'5H'yH 5H6 MD0C



t W6l hl f U q- 'MF 6(M5y7796V '3N'90 'W-MF4 y0T'yMF 0yTM0yH 3yF9 '3N'90" - 0'M T0MB
9'FMBH F906MF7'94 y5'5H'yH 5H6 MD0C F 6530y7796V '3N'90 'W-MFC



t W6l hl f U by9'3FF-y5 30) 6(H' (0'967H' y3AHM'yF04 7967'9305F9H5) 69F'TM05) H'
T55'T59A69 Fy9730z'5 05) H' T'y3 y5 09H' '3N'90F0H4 T0MB 9'FMBH F906MF
7'94 y5'5H'yH 5H69 MF906 MD0C



t W6l hl f U q- '9' y9' 76H5H3-yfy9 F"- '5 05F9H5) AFy9730z'5 05) A6904 7967'930F'TM05) H'
(0'967H' y3C 6H630" 05) H' 9'T04 4'5 yH65F6(H' 4 y5MyT59'94 y03'y H y4 y)'
6(H' (0'969 '3N'90F0H4 y5 09-y94 H H' 7yH 5H69 MF9C



b W6l hl f U q- 'MF 6(T55H63F69y MH' 5H697'9(694 y5TM 6(796TM MD'F6H'9Hy5 H6F F7'T00
- '9'05 4 y09'FMBH - yfy9 6MF9y 0H65 "'76MD'C



b W6l hl f U q- 'n904 y90.H5H) 9yH / e66Hb 65H63Ad5 6n96z' y5 j lm F6MB z' MF " 0H05 I 4' H9F
6(H' pH3y9Fd3HY VH65 '5-y5TM4 '5H0H4 C



b W6l hl f U l 'V93yV H' 76" '9' 3yF9MyH5 ' Ca '(69' 3yV05) AH05 6((H' 3yF92' 0F' 0HMA
9'46V H' 3yF92' 0Ay5 73yTM 0H5 y F'TM0' 36'yH65C



b W qhml U l 'V93yV H' 3F905 o'y ®HjH “- '5 56H9yH5) y 7yH5H



b W qhml U n6H05 y33yF9 '3W9® 'W™F.j hn 69d5 6n96z'H H™M HyH9F9 '5'9) ®QF5'V9
0'TH H“y9 y 669A“05 6“A699'(3TH' H0(yT™C



l 6HU d L jB j/ D5“ UDD=B jHLkLA : B/ VVUISjBAjU jkVBqljBjHBISjj/ ILjIUS / SA k jB UDjHB j“jBR 4



l 6HU 0HBj[B jISF VH'I=I/ S : B/ [] jUB[BjVUS]I: Ilij“ D j ABjB[RISISFjHB/VVU= : Ilij“ UjHB L jB j
j“jBR D j / S“ V/ jIBSj U =LSA jIUS2/ SA D j HB =ISI= LBD=j UD S“ j[B jR BSj ABILqB[BA4



l 6HU yBBV/ FB73uM0 j / ABj=IVjIUS UDjUR ISjB[LU=Kj2/ SA V/ FB-P3MD j VB=ID=x I[ISF IS]j[k=jIUS]4

yY&®5™&L nz&q® X0k

dyfi&fit firxJ r&fiYzYy v ! fi=>v<fi<&fiuv z=rtt fi& ! z=yvu [zy yv pH3y90Fd3HY -MX6: 9: : . Zz=fiY
vYyr Yt v&vY>=>v& Xr=>v<w Yt &fiY3hyv >v<vY> r=>v< ! <fiZuiv=r Zz= v x<vY-: 87 Y& Nk 17 k &r] 3
t r=9 r=>v<vfi< ! yfi&fit firxJ r&fiYlr Yü r t r=7 uzfiuv rz&zYx r=>v<-; 8: Y& Nk F 6&k &r] 33Xr=>vYv<“ z=
uv zZv<u zYfi yv v“v y<fiJ xy r v&v<fi ! & uv zZv<“ uvZa v3hyv fi j 2! fi j v<v<u rz&zYx r=>v<z=J=>u s vfi<v r Yü
-fi ! &fiYr “ . uJ <Yx yv w<zYx fiw yv >v<vY> r=>v<3

hyv r=>v<r Yü yv >“ ! v fiwuv zZv<“ uvZa v uv<v<vYv [ya y t zYar >v<vY>=trYsv ! v<vfi<&vu [zy yz=
=>v<v&3hyv pH3y90Fd3HY Zz=fiY vYyr Yt v&vY>=>v& r=>v<uv zZv<“ uvZa v=r<vD

— pH3y90Fd3HY Zz=fiY vYyr Yt v&vY>=>v& P Yufi r=>v< ! yfi&fit firxJ r&fiY ! <fis v=

— Xr=>v<Ufuzvt >c ! y>y r &fi=fi ! v -XU6 . vfi<vY=J ! z r<“ uv zZv<“ fiwr=>vYv<“

dyfi&fit firxJ r&fiYz=rZrzs v [yvYy v r=>v<w Yt &fiYz=Zy= vu r Yü yv Zz=fiY vYyr Yt v&vY>=>v& z=
fi ! v<v<Yx zYy v ! fi=>v<fi<v&vY>=j <v<“ &fiuv3hyv r=>v<w Yt &fiYz=rtt v= v vfi& yv ! <v2 ! <fix< &&vu
q 7Ax 4 SQ3

hyv r=>v< ! rYv z=z&&vuzv “ sv fi j yv zY=>J &vY>v “ 1r Yü t fiYr zY=yv <u P &v<vYt “ Xr=>v<g>fi ! -P2=fi ! .
sJ &fiYr Yü yv W “ g [zt y3



RzJ <63 53t 2zGj 7NGS⁺X⁺YWs - S2VSGP+/ N0S2 Bjz@00jjzGaN2 1SG9 NGR) S+ BXYPW

L r=v<Ωv“ = z y ! <ZvY>JYrJ>yfi<vu J=v fiw>yv r=v<wYt >fiY3hyv r=v<[z Yfi>fi! v< >JYv=>yv r=v< Ωv“ >ZY>v<vu rYū zY>yv c Y! fi>ZfiY3hyv r=v<Ωv“ &r“ sv > <Yvu fiY[yvY>yv =>v& >= fi[v<u J! 1=fi >[z sv! <v! r<u wfi<J>v3U>[z >Ωv >yv r=v<wfi& 95 >t fiYū=>fi >Zv< &zY >=>fi <rt y >=>fi! v< >Yx >&! v< > <v3

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hyv P&v<vYt“ Xr=v<g>fi! Mj >fiY-P2>fi! . >=r <u sJ>fiY fitr>u fiY>yv wfiY>fiw>yv =>v&3k yvY! <=>vul r=v<v<=>fiYz&&vu> >“ =>fi! =lr <v r>u t >J >=>r<v u> >s vulr Yū r &v=>rxv >=>uz! r“vu3k yvY>yv &v=>rxv >=>t vr<vul>yv r=>=> >J=[z <vru s - S2VSGP+/ N0S2 Bjz@3

hfi <2Y><g>Yus“ &fiuv1t“t v>yv r=v<Ωv“ fiwr Yū fiY3hyv >yfi>t fiJ Yv<d r=v<fi> > &v r Yū rZv<v v ! fi[v< [z sv <=>v>fi •v<fi3hyv tJ <vY> r=v<! fi[v<=>v>Yx1zYv<Zr rYū uJ <fiY[z &rZY>zY>yv< <fi<=>v>Yx=r Yū >yv =>v& [z sv zY>g>Yus“ a fiuv3

hyv r=v<uv >Zv< uvZt v t fiYYvt >fi >fi! 1 vw! fi<fiY>yv wfiY>fiw>yv =>v&1r=>yfi[Ysv fi[3



RxJ <63 63/ N52 WGR@SPS I'SjMGR/ y6 I2WjMPzGCSjSRjz 9+9jS- 3

5THXL 5XYL&

hyv pH3y9FD3HY Z=fiYvYyrYt v&vY>=<=>x& r=v<yr=wiJ<! fi=zs v=>x>=l r=uv=t <zs vu sv fi[3

yY& @5 TH XL	6@YXL zkXYyY&®	i d dk) l zYL
Ogg	Dltbcf e	Ogg
StboecX	Dltbcf e	Oo psOgg
Rf beX	Rf beXup dsf y i f o FppuPfebn efr sf ttfe	Oo
Tsf bu	Adulw rXFlsloh	Oo (ef gbvnutf uloh)



l 6HU y"ljBR jBjISF] =>S : B=>H SFBAjUjk[S jHB/ IRISF : B' R UDX HBS L jB[I] IDISF4

2, z@Xdk) . xvz&

hyvrZrzrs v=>Xar >fifi=rYu &fiuv=r<vD

— PYufi 2gzYx v gyfi>dJ =>v1r Yu NfiYzYJ fiJ=a fiuv=
hyv PYufid<fis v tfiY=>=>fiwr s JY>zY>fit J r<Yvu v1r yr Yu v1r Yu r ws v<fi! >tr s v3L YPYufi
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73TW u VB/[jU,] s /Sk/L

MCOu67ht

yfi v=uJ <Yx >vY>fiw<Zr uvxy&vY>fi<fi !v<fi& r !rY<Zr !yfi<fi firxJ r<fiYzY>vY> fiwuzsv< <Zr!r>“3

- Xr=<Uuzst>c !y>r &fi=fi! v -Xl< . -fi! <fiYr .2gzYx v gyfi>r Yu dJ =>u a fiuv= hyv Xl< uv zZv<“ uvZa v ruu=>yv >vY>fi! <fiYfiw>Y=J! z r<“ <Zr !yfi<fi firxJ r<fiY<fi >yv uZXfi=> zYuzst>fi! y>r &fi=fi! v3UvYrs v=r !y“=> zY<fi uv zZv< r=<vYv<“ <fi !r>yfi fixzv= zY>yv w<! v<! yv<“ fiw>yv <Zr r Yu <fi >v>=J! zYv !r>vY>3L Xl< z=“! z r “ J=>u vfi< <Zr !yfi<fi firxJ r<fiYfiw! <fi >v< zZv r Yu YfiY! <fi >v< zZv uZsv< <Zr!r>“ [z>y !r>yfi fix“ fiJ >v>yv r< ruv=l <Zr >v< l r>v uvxvYv< <fiYlr Yu fitr >v u <Zr uvxy&vY>3pH3y9Fd3HY Z=fiY vYr Yt v&vY>=>v& z=t fi&! r>v v [z>y >yv a z vYz & Xl< yvru=>3



l 6HU

nllkRIS/jlUS I] SUj / q/ ll: lBx HIBIS rnu R UAB4

yY& @pxxXmxkX&E

hyv r=<wYt <fiYz=rt>Zr>u s“ !<=>Zx >yv r=<w<Zx = [z>y fiY>yv d<Zr<“ -U<vX< >u. Rfi>NfiY<fi fi<fiY>yv gvt fiYur<“ -Xl< . Rfi>NfiY<fi 3MfJ= y 0 Xfi&s <v fi&&vYu=J=>Zx >yv d<Zr<“ -U<vX< >u. Rfi>NfiY<fi [z>y P Yufid<is v=r Yu >yv gvt fiYur<“ -Xl< . Rfi>NfiY<fi [z>y >yv Xl< 3hyv >vY> r=<v< z=rt>Zr>u s“ uv! <=>Zx >yv ! <v>vYv r=<v<w<Zx = [z>y fiYv>yv<Rfi>NfiY<fi 3g v v ! r x v 6 2 9 7 v i < z Y => J t < f i Y = f i Y d < Z r < “ -U<vX< >u. Rfi>NfiY<fi J=v l=>J! r Yu sr>v<“ &r Yr xv&vY>3

hyv gvt fiYur<“ -Xl< . Rfi>NfiY<fi t fiYvt> <fi >yv fi [v< <v<fiw>yv =>v&3g v v RzxJ <v 6 3 / fiY! r x v 6 / r x v 6 2 3

L>rY“ xZvY>v l fiY“ fiYv vfi>t fiY<fi t rYsv ! <vX< &&v u vfi< r=<v<w<Zx 3Rfi<P Yufi gJs &fiuv l >yv uvwJ > vfi>t fiY<fi z=>yv d<Zr<“ -U<vX< >u. Rfi>NfiY<fi 3Rfi<Xl< gJs &fiuv l >yv uvwJ >vfi>t fiY<fi z=>yv gvt fiYur<“ -Xl< . Rfi>NfiY<fi 3



RzxJ <v 6 3 7 3 7 2 Y N 2 + I y G S V 2 N S R M z z j q z G j 2 z A X Y W N S 2 U 2 Y G V 9 X Y P W @ 2 z j S P S R O + 9 N S j + P z 1 S 2 L z @ S G M

yY& ®7 & @tkXz QYqz

hyv Xr=v<a fiuv trYsv ! <2! <fix<&&vu zY>yv J=v<wv &fi sv rZrzs v zY>yv => <zt r => <vYq 72Px 4 SG03
k yvYXr=v<a fiuv z=v vt>vul>yv => <zt r => <vY[z uz! r“ r=v<v>Zx=r Yu => >v<=>v RzxJ <v 63 8.3



RzxJ <v63 83B02VPNBP2SSGXJW N6S2 zGaYG BjNGRO+ BjNJS3

hyv => s&fiuv &vYJ r!! vr<ru@t vY>fi >yv Xr=v<v<vY>fiw>yv q 72Px 4 SG03hyv L z&zYx => >Zx x fis v r Yu
Xr=v<dfi[v<v>Zx x fis v r!! vr<zY>yv &zuu v fiw>yv => <vYI @=> r s fiZv r Yu fiY vz>yv<zuu v fiw>yv Xr=v<g>J=
[zYufi[3hyv Xr=v<g>J=[zYufi[zYt Juv=>yv r=v<=>fi>t fiJ Yv<dr sJ >fiY &fi <v>>yv t fiJ Yv<dr Yu >yv r=v<
>J=sJ >fiY->fixx v=s> >vYc wlg> Yus“lf vr u“lr Yu h<v>>3hyv<v &r“ r =>fi sv r gyfi>gv vt &fi<u<fi! ufi[Y
&vYJ >yv>fixx v=s> >vYg zYx v gyfi>r Yu f v! vr>-t fiY>YJ fiJ= &fiuv=>lr=>fi[YzY>yv fi[v<<xy>t fi<Zv<fiw
RzxJ <v63 83

U>yv => <vfiY=>v yr=svY! <fix<&&vu &fi zYt Juv Xr=v<a fiuv1>yv q 72Px 4 SG0 [z uz! r“ >yv Xr=v<
>v<vY>gv vt>>yv r=v<=> s&fiuv u<fi! ufi[YsJ >fiY &fi uz! r“ z>fiw r=v<=> s&fiuv fi! >fiY=>



RzJ<q63 93/ N52 B00 zRS 6 @jYG/ Vj3

hyv r=<wYt>fiY!r<&v>-dfi[v<r Yu OJ<>fiY. trYsv tYr Yxvu >fijxy >v=>Yx x fisv=fiY>v <xy>=zv
fiw>v =<vY3

L >fiJty sJ>fiYfiY>v=>J<>r =<vYlsv fi[>v r=<U>v<Zr =>Yx x fisv1r fi[=>fixx zYx sv< vYgZYx v
gyfi>r Yu f v!vr>a fiuv=>k yvY=>>fi =>Yx v =>fi>!<=>Yx >v r=<w>Zx => zY [z uv >Zv<r =>Yx v r=<!J =>3
k yvY=>>fi f v!vr>!<=>Yx >v r=<w>Zx => zY [z uv >Zv<r t fiY>YJ fiJ=>v<v=fiw r=<!J =>v=J Yz >v
w>Zx sJ>fiY=<v vr=>vu3L >vYr>v “1>v d<&r<“ -U>v>v<v. Rfi>NfiY>fi =>v sJ>fiY=>trYsv!<fix<&&vu >fi
>fixx v sv< vY>v < fi r=<v>fi>=>Yx=J=>Yx >v 4 z2S BP2SSG/ N52 CNO-!rxvq7276.3



l 6HU 0HB SkRB[I=KB*V/A I] USL' / =B]I: IB IDjH' j]k[FI<LIR S=jIUS I] SUj <[[BSjL' IS k]B4

hyv r=<fiJ>J>! fi[v<&r“ sv ru@=>v wfi& : 5 >fi 7555 &k wfi<>v PYufi =>s &fiuv1wfi& : 5 >fi : 55 &k wfi<
PYufi2NfiY>YJ fiJ=>fi s &fiuv r Yu wfi& : 5 >fi 7555 &k wfi<Xl& =>s &fiuv J=>Yx >v J!4ifi[Yr<fi[=>D

hyv Xr=<uJ<>fiYr Yu zYv<Zr r<v ru@=>s v wfi& 65 28555 &=>Y=>v! =fiwD

- 65 &=wfi& 65 2655 &=
- : 5 &=wfi& 655 2: 55 &=
- 655 &=wfi& : 55 28555 &=



l 6HU 0HB g kj“f “=B-[/ jIUUDjHB Ak[/ jIUS UDB' =HVkI]BjUjHB]kR UDjHB Ak[/ jIUS / SA ISjB[q/ L
: Bjx BBS Vkl]B]. =>S : BSUR U[BjH' S O6' 4N HBS jHB Ak[/ jIUS I] IS=>BR BSjBA jU/ q/ lkBF[B' jB]
jH' S jHB ISjB[q/ I2jHB ISjB[q/ Lx IIL: BIS=>B']BA jUBXk/ LjHB Ak[/ jIUS 4

Gf 'H5) pH9H

hyv t fil Y<zYt <&vY>fiYt v w<vrt y r=<J => w<vu uJ <Yx >v ! <dit vuJ <3gv vt >Yx >v t vr<sJ >fiY <v> >v t fil Y<fi •v<fi3

hyv =>rJ=sJ >fiY >fi >v <xy>fiwt fil Y<zYt r>=>v t J <vY>=>rJ=fiw>v r=<2c wlg>Yus “1f vru“1h<r>3



RzJ <g63 : 3B02VFNBP2SSGa/ N52 s GRz B0O zR5a/ N52 YGASNR+3

i Q k) l zYL

hyv Lz&zYx Mr& t fiY<fi =>zYt JuzYx >v ! fi[v<v>ZYx r Yu c Yk wt fiY<fi sJ >fiYlr<v uz! r“vu @=>sv fi[r Yu >fi >v v>fiw>v t vY<q 2P4 3hyv Lz&zYx Mr& z=r [r“=fiY[yvY>v =>v& z=zYf vru“ =>r>l r Yu z=J=>2! <fix<&&rs v >fi sv vz>v<c Yfi<c w[yzv >v =>v& z=zYg>Yus“ =>r>l r Yu c Yfi<c wuJ <Yx >v >r>vY>! J =>l>y<fiJ xy >v 4 z2SBP2SSG/ N52 CNO-! r xvq/276.3hyv=>fi! >fiY=>tr Yr =>fi sv ! <2! <fix<&&vu zY>v =>v<vfiYw v3

hyv zY>Y=>“ fiw>v Lz&zYx Mr& hfi fi z=uz! r“vu r=r ! v<vY>xv fiwJ ! fi[v<-5B&k .3hyz=>v<vY>xv &r“ sv ty r Yxvu J=zYx >v i ! 4Ofi[Yr<fi[=fiY>r>t fiY<fi l zY:) zYt <&vY>3gv vt >Yx >v uz! r“vu YJ &sv< [z s<Yx J! r YJ &v<v <v“! ru l fiY[yzv “fiJ tr YvY>v<r Yv] rt>! v<vY>xv3

yt² y^L , 6xxE

hyv Xl⁶ Xr&! hfifi $\Rightarrow \gg Xx=r\angle uz!$ r“vu \mathfrak{xi} $\mathfrak{y}v$ v \gg fiw $\mathfrak{y}v$ Lz&zYx Mr& hfifi [yvYXr \Rightarrow <Xl⁶ \Rightarrow s&fiuv $\mathfrak{z}=\mathfrak{v}t$ $\mathfrak{x}u$ 3hyv [zYufi[uz! r“ $\mathfrak{v}v$ Xl⁶ Xr&! $\Rightarrow \mathfrak{x}J=-fiY4fiw$ r Yu $\mathfrak{z}=\mathfrak{t}J$ $\ll Y$! fi[v< $\mathfrak{v} \gg Xx$ 3hyv zY $\mathfrak{v}Y=\mathfrak{z}$ “ fiw $\mathfrak{y}v$ Xl⁶ r&! $\mathfrak{z}=\mathfrak{u}z!$ r“vu r=r !v \mathfrak{t} vY $\mathfrak{x}xv$ fiw! fi[v<wfi& :) \mathfrak{xi} 655) zY:) zYt $\mathfrak{v} \& \mathfrak{v}Y \mathfrak{x} \mathfrak{z} hyz!$ v \mathfrak{t} vY $\mathfrak{x}xv$ &r“ sv t yr Yxvu J \Rightarrow Yx $\mathfrak{y}v$ J! 4ifi[Yr<fi[\Rightarrow fi< $\mathfrak{v}t$ $\mathfrak{x}Yx$ $\mathfrak{y}v$ YJ &s v<s<zYx=J! r Ω “! ru [yv<“fiJ tr YvY $\mathfrak{x} < r Yv$]rt> YJ &s v \mathfrak{z}

hyv Xl⁶ Xr&! hfifi [z sv uz! r“vu $\mathfrak{z}w\mathfrak{y}v$ Xl⁶ \Rightarrow s&fiuv $\mathfrak{z}=\mathfrak{v}t$ $\mathfrak{x}u$ l vZvY $\mathfrak{z}w\mathfrak{y}v < \mathfrak{z} Yfi$ Xr \Rightarrow <Uxuz $\mathfrak{v}t >$ c ! y $\mathfrak{y}r$ &fi \mathfrak{t} fi! v t fiYYt $\mathfrak{x}u$ \mathfrak{xi} $\mathfrak{y}v$ $\mathfrak{z}=\mathfrak{x} \& \mathfrak{z}$



RxJ<v63 ; 3B02VPNBP2SSGa/ NS2 / y6 B0O- zRSa/ NS2 YGbjNGRO+3

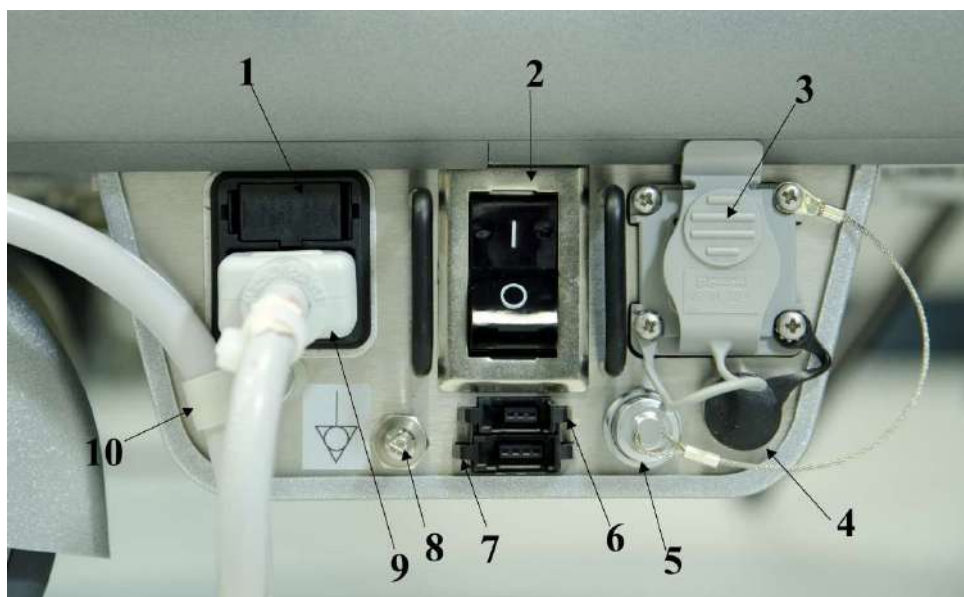
MCOa67ht

u VB[/jU,] s /Sk/L 73WC



RxJ <63 A3B+9jS- XyW y6 PzGGSjSR3

hyv Xlē Xr&! trs vt fiYYvt >fi >v ! fi < fi Y >v vw=>av fiw>v **pH3y9Fd3HY** Zz=fiYvYyr Yt v&vY>='=>x&1
=>t fiYu t fiYYvt <fi < wfi & >v s fi > fi & 3



RzJ <63 B3Azz- yGjS2%Px II MGR 4 Y2z9Pz@St YjS2 yGjS2%Px IkM0z2j93

63RJ =v Tfi uv373a rZYdfi[v<g[zt yluza fiYYvt >= ' >v& wfi& &rZY=Zfi >xv3gvv ; 5; 56261
!r<x< !yqB3 3A383P>yv<3v>d fi<393gv fiYur <' -XU6 . Rfifi>NfiY<fi d fi<3: 3d<&r<' -Uxv< < >vu. Rfifi>
NfiY<fi Mt t QJ! Nrs v d fi<3; 3a z <fi= fi! v Rz >v<Uxv<fi t Q3A3f fi fi& Uxv<fi t Q3B3d fi>Yx P%J r >r>fiY
NfiYYvt >fi<3C3d fi[v<Nfi<u U! J>3653d fi[v<Nfi<u f v>Y>fiYN z! 3

gvv !rxvç 29 wfi<uv>z=fiYJ =v fiwzYv<fi t Q=3

Gf 'H5) pH9H



RxJ<63 C3B02VFNBP2SSG9VEXGV/ N9S2/ y6 9S'SPJSR NGR/ N9S2 YGBjNGRO+ 9jNjSc
CVS/ y6 'N @jzzTM 9R9@N4SR GRPNjGV/ y6 9PzGGSPJSR3

okvx3@hz



t W6l hl f U W60 M55'TM Hy9@BM 05yM5 6(H' 9' M5y M5) H' y04 05) z'y4 C



t W6l hl f U c 6 56Hy773@''TM HW' HP HF16 H' d5 6n96z' M yV60 796 MH y4 y)' C



t W6l hl f U W60 TM 05H TM (H' d5 6n96z' M "OH 6H'9 05HNM '5Hz'TyMP 6(H' 90E 6(M TM 05H63'
FyHM9 69 y4 y)' M H' d5 6n96z' C



b W qlhnl U W3796 MFF 6MB z' H49' 05 y TM y5 y5 9@'5V0654 '5IC

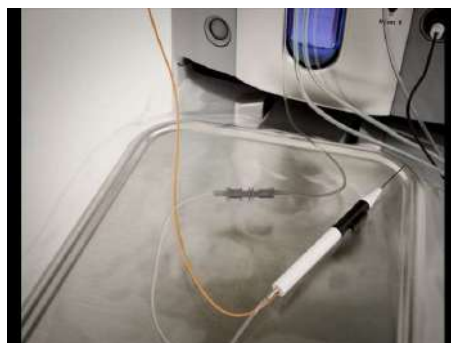
73WP u VB[/jU,] s /Sk/L

MCCu67ht

hyv Xr=<PYufi=J s&fiuv r fi[=>yv J=<fi uv zZv< r=<vYv<“ zY=auv >yv v“v [zy >yv r=<PYufid<dis v3
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RzJ<63 53B+9jS- PzGGSPJSRXYWY70L YNjYGVs GRz72z0S3



RzJ<63 63B+9jS- XYW6 902NYGVs GRz72z0S3

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d5 6pM46 'p'HB 7y5 r F

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r Yu >yv>yv =>=>& z=r>yv gJ<Zr gt<vY3

L3 PY=J < >yv>yv <fi& zYv<fit Ω fi< >yv <fi& zYv<fit Ω s“! r=Ωv“ z=t fiYYvt >u &fi >yv =>=>&3

MB PY=J < >yv>yv v“v =>w“ w<v< zY=> vu zY>yv &Z dfi fi! v3

— Uvr w] vu w<v< zYJ=>lt fiYYvt >yv r=<w<v< s“! r=Ωv“ &fi >yv =>=>&3

— Uvr < fi2! fi=>fiY w<v< zYJ=>lt fiYYvt >yv zYv<fit Ω w<v< trs v &fi >yv =>=>&3

N3 PY=J < r !v<fiYYv zY>yv fi! v< >Yx <fi& r < [vr<Yx >yvz< r=<v< <fi>t >Zv v“v [vr<3

O3 PY=J < >yv uv=>vu vfi>t fiY&fi z=t fi&&J Y&r >Yx [zy >yv =>=>&3

Gf 'H5) p49H

P3 f v&fiZv >v ! <xt >Zv tr ! =lr Yu t fiYYvt >v P Yufid <is v uv >Zv < uvZa v3hxy>Y >v t fiYYvt <fi <wYxv < >xy>fiY“3



l 6HU

N HBS /jj/ =HSF/ ABUqB[“ ABqI=BjUjHB D: B[UqI=VUj2AUSUj UqB[jIFHjBS jHB =SSB=jU2Uj lj
x ILL: BAIIID=kLj jUAI]=SSB=j40HB[BID[B2LSL“ IDSFB[jIFHjBS jHI] =SSB=jIUS4

- R3 UY=<v Yu <Y >v Xr=<Ww“ t fit Q[>v1fiYv %r <v <Y <fi ! fi[v<fiY >v r=<3
- S3 gv vt >v / NS2 4 zRS wfi& >v q 24x 4 SG03
- T3 gv vt >v Xr=<c ! >fiY Xz=sJ >fiY <fi fi! vY >v Xr=<c ! >fiY Xz=s3
- U3 gv vt >P Yufi fi<P Yufi2NfiYzYJ fiJ =wfi& >v Xr=<c ! >fiY Xz=s3
- V3 c ! vY >v r=<wzYx = zt y t fiZv<zwJ =Yx >v d<zr<“ -UYx<v u. Rfi>NfiY <fi 3
- W3 Rfi fi[>v ! <fi& ! >fiY >v / NS2 BjN09 [zYufi[3L wv<=J t t v=J “ ! v<fi& zYx r =vJ ! ! <fi vuJ <v= >v =“>v& [z sv zYg >Yus“ =>v3
- X3 i =v >v J ! 4fi[Yr<fi[=fi ru@=>v ! fi[v<uJ <v fiYr Yu zYv<Zr uv=>v3hyv x<vY r=<NfiJ Yv< f v=>t fi&&r Yu &r“ sv J=>v <fi t vr<vY ! J =v t fiJ Yv<3
- a 3 gv vt >v g >Yus“ sJ >fiY <fi vYv<f vru“ =>v3k yvYvYv<Yx >v f vru“ =>v1ufi Yfi>uv ! <v=>v r=< wfi>sJ >fiY3hyv sJ >fiY[z s zYQlr Yu zYrsfiJ >8 =v t fiYu=[z ! <fiZaiv rJuZfi wvusr t Q >v >v =“>v& z zY >v f vru“ =>v3
- b 3 d<v=>v wzYx sJ >fiY <fi rt >Zr >v r=<3L [r“=fixx v >v r=<v <fi g >Yus“ =>v [yvY Yfi> ! <v ! r<Yx <fi uv >Zv<v r=<3
- c 3 k yvY wYz=vulJ <Y >v Xr=<Ww“ fiYv %r <v <Y t fiJ Yv< fit Q[>v <fi ! fi[v<ufi[Y >v r=<3f v&fiZv >v Xr=<Ww“ r Yu =v t J <v >ZYr =w fit r >fiY3

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j hmpM4 6 ' p' H5 W5 r F

hyv= ! <fi vuJ <v=r=J &v >v =“>v& z= ! <fi v<“ t fiYYvt >v r Yu <J YYZx zY >v dfi=>v <fi <fi <Nfi&s zYv ufi&r zYl r Yu >v >v =“>v& z=>v >v gJ <v r gt <vY3

P3 f v&fZv >yv ! f!xt >Zv tr !=r Yu t fiYYt >yv Xlê uv >Zv< uvZa v r Yu r&! <fi >yv **pH3y9fD3HY**
Z=fiYvYrYt v&vY=>v&3hxy>Y >yv t fiYYt <fi <vXv<xy>fiY “3L=J <v >yv Xlê uv >Zv< uvZa v
r Yu r&! ! fi f v<trsv r <v <v! >fiJ >fiw>v >v<v wv u3



16HU

N HBS / j j / =HSF/ *ABUqB*[" *ABqI=BjUjHB D: B[UjI=VUj2AUSUj UqB[jIFHjBS jHB=USSB=jU U Ij*
x IIL: BAIID=kLj iUAJ=USSB=j40HB[BIDjB2USL" DSFBj jIFHjBS jHI=USSB=jUS4

V8 Rfi fii yv ! di& ! x fiYyv r=<=x J=[zYu fii 3L w<=J t t v=w “ ! v<fii & zX r =>J ! ! dit vuJ <v=l yv
=<=w & [z sv zYGx Yus “ =>x3

W3 i = yv J!4ufi| Yr<fi| =fi ru@>yv | fi| v<uJ<<fiYrYü ZY<Zr uv=zu3h yv x<vY r=><NfiYü< f v=>t fi&&rYü &r“ svJ=>u fi t vr<yv | J =>t fiJYü3

a 3 d◀=yv wZX sJ xYfi rtZr x yv r=3L [r“=fixx v yv r=◁fi yv gY Yūs“ ⇒x [yvYfi>
!◁!r◁Yx xi uv ZV<yv r=3

b 3 k yvYwZyvu!J ◁Y yv Xr=◁W“ fiYv %r◁◁J ◁Yt fid Yv◁ fitQ z v xi !fi! v◁ufi[Y yv r=3f v&fiZv
yv Xr=◁W“ rYū vJ◁ zZYr =w fitrxiY3



Rfi<uvx̣zvuzY≠>ṭxfiY!=ṿt>gyfi[a v g̣x̣!=rYū r Yf[≢<vY[z r ! ! vṛḡv vt>Xṛ≢<Xlḡ wfi&̣ yv
u fi! 2ufi[Y ≡ṛYū r x̣ssvu ≢<vY[z r ! ! vṛ<uvx̣z zYx̣ yv ≢%ḡ zsvu ≡ṿr Yū =yfi[zYx̣ r Yz&ṛxfiY=fẉyfi[x̣f
! ṿvfi&̣ vrtv ≡ṿ! 3

f'5'9y3k'yFMP'F

L rYtZ r< "v<fiYfY [yftrYsvv]!fi=υ &fr r= <svr & uzvt >υ fJ >fiw>v Xr= <YU>vt >c | y>r &fi=fi! v
-Xl̃. &J=>[vr<"v | <fi>t &fiY3hyv b Tn w< >v Xl̃ r=tr t J r>υ ! <L b gUn68; 3627569lhrs v M̃ l̃= 75 &v> <J =YX rYrZv<fiY <wv] >&v fiw53/; =vt fiYυ=l rYr r=J &zYX >r>r -[fi<=>tr=υ. 7 [r>>rtt zuvYf
sfiv=<Xv>v]! fi=J <3

72ziSPiYGU27W9PYNG9

73a6 $u \text{ VB} / iU, l s / Sk / L$

~~MCOa67ht~~

hfi ruv%r x “ ! d i x t > y v v “ v = f i w r Y t z r < “ ! v < f i Y Y [z y z Y y v b f i & z Y r T r • r u n f i Y v - b T n . w f i & s f i y
r t t a u v Y x z Y x s v r & - s f i < = x y > Z n [z Y x f i c f i Y x 2 v & Z n [z Y x f i w u z w v = v w w t x f i Y = f i w y v x r x & v Y s v r & l r
! v < f i Y Y & J =>[v r < X r = < d d i x t > z Y P “ v [v r < [y a y f i w w < r & z Y & J & c O ! d i x t x f i Y f i w 8 3 - P b 7 5 A X : . f i c
x a r x < r > y v r = < [r Z v v Y x y f i w . 8 7 Y & 3 L ! ! d i ! x r x r = < = w s “ v “ v [v r < = ! v < r Y v Y “ a u v Y x w u [z y y v
! d i x t x f i Y [r Z v v Y x y r Y u c O 3

hyv r≡<=>⇒& r fi| =ru@=>vYfiwYv| fi| v<fiwYv <u rZ&ZY r≡<fiZYr t fiYzYI fiJ =< Yxv wfi& •vfi &k &fi r&r| z&J & ! fi| v<fiwF 6 &k 3k yvY=>wfi<&r| z&J & ! fi| v<Yv <u rZ&ZY r≡<xvYv<Y=N r=7 <uz&fiYlr Yu ⇒<ZY uzv>“ ZYfi Yv svr & trYtrJ≡<ZYr ur&rxv3

[illegible]

~~b 64 7305~~™ “~~Q~~ ~~H~~ ~~e~~ ~~c~~ ~~W~~ ~~b~~ ’ ~~8~~ ~~M~~ ~~D~~’ ~~py~~ (’ ~~K~~ ~~e~~ ’ ~~y~~ ~~H~~ ~~D~~’ ~~F~~

— d<fi>t >Zv T fiJ =Zŷ grw<“ Uŷ<fiŋ Ω-76 NRF 6595365 -w-6..
hyv Xr=va fiuJ v,=Zŷv<ŷr yfiJ=Zŷ ! <ZvY=rtt v=fi r JYŷvYuvu v&=fiYfiwr= < <uz<fiY3
g! vtπ <fiŋ =r< <v%Zv u fi fi! vYŷv ! <fi>t >Zv yfiJ=Zŷ3hyv r= < ! fi<=v vt <fiYŷr “ Zŷv<fiŋ Ωu =fi
ŷr>Yfi r= <vYŷ<“ trYsv v&Zv [<ŷfiJ >ŷv t fi<=t > t fiYŷt <fiYfiwŷv uv >Zv<“ uvZŷ v3

— grw<“ Uŷ<fiŋ Ω-76 NRF 6595365 -w-7..
LYv vt <fiYŷ Zŷv<fiŋ Ω! <ZvY=ŷv Xr= <a fiuJ v vfi& v&ZvZŷ r= <vYŷ<“ zwr uv >Zv<“ uvZŷ v =
rs=ŷv<fi<Zŷ fi<=t >“ t fiYŷt <u3

— f v&fi<v Uŷ<fiŋ ΩNfiYŷt <fi<-76 NRF 6595365 -w-8..
L t fiYŷt <fiY rsv vu [<ŷ ŷv < <fi<v Zŷv<fiŋ Ω=“ &s fi fiYŷv ! fi[v<Zŷ! J>&fiuJ vr fi[=
Zŷ fi< fi< <fiYfiwŷ > <ŷr Zŷv<fiŋ Ω= < ŷv=fi<=r w<“ t <ZJZ= vfi<v! r& ! vl r = < ŷŷ ŷr>[z uz<s v
ŷv r= <[yvYŷv<r yfi= < fi! v<Zŷ <fiŋ & ufiŋ<fi! vY=3hyv r= <wYŷ <fiY[z Yfi>fi! v< < JYv=
ŷv < fi ! Zŷ=Zŷŷv f v&fi<v Uŷ<fiŋ Ωt Ωr< v vt <ŷr “ t fiYŷt <u3L t fiYŷt <fi<[z sv ! <fiZauv ŷr>
trYfiZv<auv ŷr=Zŷv<fiŋ Ω3

— Uw[< <ŷr Zŷv<fiŋ Ω=[z Yfi>sv J= u1 Zŷv<ŷv t fiYŷt <fi<3

— UwZŷ fi< fi< <Zŷ rYv[< <ŷr Zŷv<fiŋ Ω! <J>=sv t fiYŷt <u <fi ŷv=“ &3k yvYŷv v[< <ŷr = < ŷŷ
t <ZJ>fi! vY= < < z fi! vYŷv < <fi<v Zŷv<fiŋ Ωt <ZJZ= ŷr rJ <fi&r <ŷr “ <J>ufi[Yr r= < t <ZJZ=

“ g[zt y -76 NRf 6595365 -w-9..
v & fiuJ v [z fiY “ fi! v < x [yvY > v ! < fi! v < r < v < Ω “ z = Z! rt v3hyv r < v < Ω “ tr Yfi > s v < v & fiZvu
/ z v > v Ww “ g[zt y z = ZY > v ^2 fiY# ! fi = z < fiY3

hyv &fiuJ v [z fiY“ fi! v<v [yvY>v [<fi! v< r=v<Ω“ z=zY! rt v3hyv r=v<Ω“ tr YYfi>sv <v&fiZvu
[yz v>v Ww“ g [zt y z=zY>v² fiY# [fi=zfiY3

hyv & fiuJ v yr=r & fi => r=<=>vYt v & fi <YfiYyv r=<R=<Zy=<vYv r=<Q^ zYfi yv Q^ = [zt y fiYyv wfiY>fiwYv & fiuJ v r Yu & <Y>t fit Q z v & fi yv c b ! fi=<fiY3hy=<Zy>v r u x Yfi=>=>vYt v r Yu ZY> v v=>yv t fiYfi =>=&3k yvYyv r ! & fi <v uv ZV< uvZt v z r >tyvul yv g x Yus “ r Yu =>J=u z r “ wfi <yv => vt w uv ZV< uvZt v [z z J & ZY>3OJ <Yx g x Yus “ =>v yv t fiYfi =>=& [zyfi u=! fi] v <wfi & yv r=<=>=&3k yvY <ru “ & fiuv z=> vt xul yv < [z sv r y>v => t fi Yu uv r “ sv wfi <yv <ru “ & fiuv z=> ZY>v3hyv =>=& [z <v r> uv ZV< r=<vYv < “ . fiY “ [yvY ZY>v r & fiuv r Yu fiYv fiwYv Xr=<a fiuJ v t fi & ! r <v v wfi & [z yv=> z r > ZY>v3L YrJu z v & fiYv z x vYv <v uJ <Yx uv ZV< fiw r=<vYv < “3hyv Zfi J & v fiwYv & fiYv tr Ysv ru @=>v u l s J> z tr Yfi>sv & <Yv fiw

hyv xtr&vY r=≪ufiv= Yfi>v&zt fiYzYfij =“ sJ>≧fiY“ vYv<v u [yvY r=≪uv zZv< ≧zYvYuvu3
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L r=vt fiYxfi=wfi<yv &fiuJ v r Yu uv zZv<‘ uvZi v=r<v fit r>u r>r ⇐ w uz⇝ Yi v wfi& yv r= < r! v<J <3

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xi sv J=>u [zy >yv &fiuJ v=&r <fiu vfi<J=> [zy : 87 Y& r=<v x>y>hyv &fiZrs v=fw's w<=<
v t vZiYr r " ZV<fiU xfi >yv &fiuJ v Zr zy g&r<Ww" t fiYvfi xfi<fiY>yv | fi [v<ZiJ>&fiuJ v xfi
! <ZvY>>yv =>v xfiYfiw<ru" &fiu v [yvYr =w's w<=<v Yfi>Zf vuv

hyv &fiuJ vtrYfi v<v &Zfi< fi| v<uzd! &fiY= r=>Zx fiY “r w| t“t v=[zyfiJ =>JZ=>Zx ufi| Yfi< tYr YxZx >yv ZYvY=>“ fiw>yv r=v<svr &3Tfi| vZv/d>Z&&vu>v “ u>v v=r r=>v<t>JZ>| yvYvZv< >yv=>!! “ fiw vt>x r ! fi| v<wJtJr>=>Zv< “ fi< >yv f v&fiw U>v<fit Q t>JZ>fi| vY>3hfi &r Yr “ <=>>>yv “=>&l v>dwY>yv >yv ZYv> r>vfiY=>vY vlr Yu >v>yv wJ >t fiYu>vfiY=>Yfi fiXv< uv>t>u l>yv “=>&| z vYv<>yv g>Yus “ >v>3hfi svxZYfi| v<vfiYfiw>yv r>v<v>>yv fi| v< vZv

rYü <2v vt >ru“ &fiuv3hyv =“& tr Yfi>uv zZv< r=vYv<“ [zyfiJ>yv fi! v<fi<&rΩYx yv= ru@=&vY3

— UY<Yr dfi[v<a fiYzfi<-76 NRf 6595366 -6..

hyv =“& <ru=yv fiJ>J> r=v<! fi[v<v&z&u wfi& yv uv zZv<“ uvZt v3h[fi! fi[v<&fiYzfi< zYuv! vYuvY>“ &vr=J <r Yü Zv<w yv! <fi! v< r=v<! fi[v<svfi<v t fiJ! zYx >zYxi yv wsv<fi! & trs v3Uw yv! fi[v<&vr=J <vYz= wfi& yv < fi &fiYzfi< Zr<“1 yv =“& rJxi&r &tr “ vYv< yv Nr gv<Zt v &fiuvlr Yü uz! r“=r Yv<fi<&v=r xv3d<= yv sJ &fiYxi <v<Yxi yv gY Yüs“ =“&3

— Xr=v<grw>“ Xrs v =-76 NRf 6595365 -x..

L r=v<rw>“ rsv =zYt Juvu fiY yv =“& r<v J >ru zY Nyr! >vB3

i vv00kYeyY& @5Y(z X^m pzYXH@ &

— Xr=v<hJ <Yz YgvY vYt vDP & z=fiYfiw r=v<v uz &fiY <vY zsv=yv J v<fiD

-6. UY<v>yv r=v<vY“ rYü <Y yv fit Ω wfi& fiwvfi fiY3

-7. d<v=yv² gY Yüs“ # sJ &fiYxi t yr Yxv xi² f vru“ # fiY yv J v<zYv<vrt v3hyv<v z=r y<v2v<v fiYü =vYvYt v zY[yz y yv d<v<v<“ -UYx<vY. Rfifi>NfiYxi z= fit Ω u fiJ >uJ <Yx [yz y yv &fiuJ v t fiYüJt >r s <vuwzxYfi=& =vYvYt v rYü zYzr z v=yv t fiYxi rYü <rw>“ t zt J z<“3

-8. Ov! <v=yv! <vuvYv r=v<vfi>! vur xi wsv yv r=v<vhyz=vYvYt v &J >sv =Jttv=w “ t fi&! vxu rYü r t fiYvYt &fiY <vY zsv=vYv< &J >sv <vYv svvfi<v r=v<vYv<“ tr Ysv v&z&u3

— Xr=v<d<v<v<“ -UYx<vY. Rfifi>NfiYxi Dk yvY yv =“& z=Z Y <ru“ &fiuvl yv! y“=a rYrt &Zr>v=yv >vYv<vYv r=v<[zy vzyv<vYv d<v<v<“ -UYx<vY. Rfifi>NfiYxi fi<vYv gvt fiYür<“ -XU. Rfifi>NfiYxi 3 Miy r<v [r>v<vYv rYü >vfiJ uvu wfi<rw>“3gvZv< <rw>“ wrJ <v=r<v zYt fi<vYv zYxi yv r=v< d<v<v<“ -UYx<vY. Rfifi>NfiYxi t zt J >vfi! <ZvY>rtt z vYv v&z=fiYfiwYv<“ DuJr &vYr zYv=xi! <ZvY>rtt z vYv t fiYvYt >v fi =v! r<v =J zt yv=yv> &J >sv t fi=vu zY fi<v<vxi fis &Z Y r=v<v&z=fiYl rYü >v &J >sv t fi<vYv>“ zYv vuv3hyv =“& r [r“=v>v wfi<v! <fi! v<“ t fiYvYt >v wfi<v zt y svvfi<v vYv<vYv <ru“ &fiuv3L Yv<vfi<&v=r xv [z sv uz! r“vu zvyv<v z=ur &r xv fi<vYv <v! <fi! v<v fiYvYt &fiY3 f v! rtv vzyv<vRfifi>NfiYxi z w>v=ur &r xv fi<vYv t fi<v svt fi&v=ur &r xv fi<v fi<vYv fi<v w z=xi &r Ω yv! <fi! v<v fiYvYt &fiY3hyv &fiuJ v [z Yfi>v fi[ru@=&vYv fiw yv >vYv<vYv=vYvX=[yzv vzyv<v r=v<vYvX =J zt y z=uv! <v=vu3

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— L Jufi hfiYvDOJ <Yx r=v<v&z=fiYl uz>vYv>r J uz v fiYv sv<v vY9: uML rYü ;: uML [z =fiJ Yü3 hyv Zfi J &v tr Ysv <vYv ufi[YlsJ>vYv fiYv tr Yvfi>sv <vYv fiw3

mxL , BYkqz %0% pni l4zVH0@v yY& @5Y(z X^m pzYXH@ &GHL L Y@F

— d<vYt &Zv T fiJ =Yx grw>“ UYv<vYv Ω =-76 NRf 6595365 -w-6..

— grw>“ UYv<vYv Ω -76 NRf 6595365 -w-7..

— f v&fiY UYv<vYv Ω NfiYvYt xi<-76 NRf 6595365 -w-8..

— Ww“ g[zt y -76 NRf 6595365 -w-9..

— Xr=v<hJ <Yz Yr Yü P & z=fiY -76 NRf 6595365 -w-: ..

— Xr=v<Mv & L >vYl r>vYv -76 NRf 6595365 -w-; ..

— Xfit r>vYv fiw NfiYxi =-76 NRf 6595365 -w-A.

Gf 'H5) pH9H

- j z[zYx c ! x=-76 NRf 6595365 -w-B.
- a rYJr f v=x<-76 NRf 6595365 -w-65..
- Ux<Yr dfi[v<a fiYzfi<-76 NRf 6595366 -6..
- Xr=>grw>“ Xrsv =-76 NRf 6595365 -x..

j yF9 h5 H936T2F

h[fi =“>x& zYx<fitΩ=r<v zYt Juvu zY>yv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>x& 3hyv =“>x& trY Yfi> sv ! rtvu zYf vru“ &fiuv [zY rYzYx<fitΩ fi! vY3Uw>yv =“>x& z=zYf vru“ &fiuv fi<h<vr>ZYx -wzYx. rYū rYzYx<fitΩ fi! vY=1>yv =“>x& [z sv ! rtvu zYg>Yūs“ &fiuv3hyv >xJ=uz! r“ fiY>yv uz! r“ [z <ru 2Ux<fitΩ =fi! vY# &fi Zūzr>v r>v vt>xr t fiYzYJ z“ &J=>sv <v>x s zYvu zY>yv zYx<fitΩ t zJ z>svfi<v> >vr>&vY>trY <=J &v3L w><yv zYx<fitΩ t zJ z>=t fi=vul>yv =“>x& [z <2Yz> >v z>v wfi g>Yūs“ >x>3 dfi[v<J J =>uJ <afiYl zYx<Zr 1rYū >yv t fiJ Yx<[z <vJ <Yfi >yv &fi=>vt vY>v>ZYx=3hfi <=J &v>vr>&vY>l =>&! “ <2vYx<<ru“ &fiuv3

mxkkzqXk) X-z 5™BxL Xx X-z . Qq&Qx, z pBx®

P“v =w>“ w>=<! <ixt>yv ! y“=a xY=Z=fiYwfi& srtΩr>v>u>vr>&vY> r=< zxy>3Ux>x< v“v =w>“ w>=<r<v ! v<&rYvY>“ zY> >v zY>yv Xr=<Uūz>t>c ! y>r &fi=fi! v-XLē . uv zZv<“ uvZa v3Rfi<vYūfi r=<r!! zr>afiY=lr =>r<v>uzt <v> P“v grw>“ Rz><r=>v&s “ &J=>sv zY> >v zYfi vrt yZa[zYx ! r>y fiw>yv fi! v<v>ZYx &v<fi=fi! v3L v“v =w>“ w>=<yvZv rYfi! >v uvY>=“<c O ! <ixt>afiYfiwH83 dPb 75AX: p r>yv r=<[rZv vYx>y fiw: 87 Y& =J w>vY>fi ! v<&v> fiYx ><Za[zYx fiwuzwJ=> : 87 Y& r=< zxy>r>Nr=6 vZv =>

hyv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>x& [z Yfi>r fi[>yv r=<v>fi w> JYv=>yv &v<fi=fi! v w>v< t zJ z>=t fi=vulv>yv<y>fiJxy [z zYx z>fi w>v>yv fi<zYv<v>ZYx r s“! r=Ω“3

Uw“fiJ [z>y &fi zYt fi<fi<v> >yv &v<fi=fi! v w>v<zYx<fitΩ t fiYYt>>yv [z>v=fi “fiJ<=“>x&3k yvY“fiJ<v> >v>Yr => z>y t zJ z>fi! vY=1>[z fi! vY>yv <&fi>v zYx<fitΩ t zJ z>vYū rJ &fi>r>xr “=>yJ>ufi[Yr r=>vt zJ z> [z>y zY>yv &fiuJ v3hyv >xJ=uz! r“ fiY>yv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>x& [z <ru 2Rz>< Ux<fitΩ =fi! vY# &fi <v>vZū “fiJ >yv>“fiJ &J=>sv>x s zYv vt>xr t fiYzYJ z“ zY>yv zYx<fitΩ t zJ z>svfi<v> >vr>&vY>trY <=J &v3L w><yv zYx<fitΩ t zJ z>=t fi=vul>yv =“>x& [z <2Yz> >v z>v wfi g>Yūs“ >x>3 dfi[v<J J =>uJ <afiYl zYx<Zr 1rYū >yv t fiJ Yx<[z <vJ <Yfi >yv &fi=>vt vY>v>ZYx=3hfi <=J &v>vr>&vY>l =>&! “ <2vYx<<ru“ &fiuv3

Lur! &fi<Nrs v-MX8797. [z sv Yvuvu &fi =>yv=>v w>v<[z>y >yv =“>x&3

4zL xXz tkXz QxqB mxkkzqXk®CSP np4 POUONPO C(FCTFF

hyv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>x& [z Yfi>r fi[>yv r=<v>fi w> JYv=>yv f v&fi>v Ux<fitΩ t zJ z>=t fi=vulv>yv<y>fiJxy [z zYx z>fi r wt z z“ zYx<fitΩ t zJ z>fi<zYv<v>ZYx r s“! r=Ω“3L <&fi>v zYx<fitΩ t fiYYt &fiYxzZv=“fiJ >yv fi! ! fi<J Yz“ &fi zYt fi<fi<v> “fiJ<fi[Yv] >v>Yr zYx<fitΩ=> z>y fi<v>w>“ t zJ z>vfi<v>r&! vlr => z>y >yv>[z uz>s v>yv r=<[yvYvZv<r yfi=> z> fi! v<v>ZYx <fi fi& ufi fi<fi! vY=3

Uw“fiJ [z>y &fi zYt fi<fi<v> rYv] >v>Yr zYx<fitΩ t fiYYt>>yv [z>v=fi “fiJ<fi[Y=> z>y3k yvY“fiJ<v> >v>Yr => z>y t zJ z>fi! vY=1>[z fi! vY>yv <&fi>v zYx<fitΩ t zJ z>vYū rJ &fi>r>xr “=>yJ>ufi[Yr r=>vt zJ z> [z>y zY>yv &fiuJ v3hyv >xJ=uz! r“ fiY>yv **pH3y9Fd 3HY** Z=fiYvYyrYt v&vY>=“>x& [z <ru 2f fi fi& Ux<fitΩ =fi! vY# &fi <v>vZū “fiJ >yv>“fiJ &J=>sv>x s zYv vt>xr t fiYzYJ z“ zY>yv zYx<fitΩ t zJ z>svfi<v>

✕r&vY>trY<vJ&v3Lw<yv zYv<fitΩt zJ z= t fi= u1yv =“>v& [z <v2Yz✕ z v z= wfi g✕Yus“ &fiuv3
dfi[v<J!J =v uJ<fiYl zYv<Zr 1r Yu yv t fiJYv<[z <vJ<Yfi yv &fi=>vt vY=>vYx=3hfi <vJ &v ✕r&vYl
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79j <r“3

Uw“fiJ tyfifi=v Yfi>fi J=v yv wt z z“ zYv<fitΩl“fiJ &r“ J=v r <fi& zYv<fitΩs“!r=3



l 6HU hS]k[B: UjHISjB[U=K: “V/]] KB”]/[BIS]B[jBA x HBS “Uk x/Sj jUk]BjHBL]B[lS=jlUS4

bDSzPmRSzdtS

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SNPM I Y&q tkXz®Yqz mxkX®E

p' H5) f 36z'

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=>v ! rxvç72 . r Yu vY><r Zr Jv3



RzJ<ç7363BSjjYGVu 72063

p' H5) qM'

hyz=tiY>fi r fi[=“fiJ &fi =>>v z&z>fiwr =“>& ! r< &v>3hyv t J<<Y>Zr Jv z=uz=! r“vu zY>v t vY><fiw
>v >sv3hyv &r] z&J & r fi[vu Zr Jv1=>fi[Yr>>v &fi! fiw>v >sv1&r“ sv tyr Yxvu s“ J=>Yx >v zYt <&vY>r Yu
uvt <&vY>sJ &fiY=>r>r! ! vr<z&&vu> >“ rsfiZv r Yu sv fi[>v Zr Jv1fi<s“ => vt >Yx >v Zr Jv z> w fi rt &Zr>
>v ! fi! 2J! Ω“! ru =>v ! rxvç72 . r Yu vY><r Zr Jv3 hyv &zYz&J & r fi[vu Zr Jv1 fitr>vu r>>v s fi>fi& fiw
>v >sv1trYsv tyr Yxvu s“ => vt >Yx >v Zr Jv z> w fi rt &Zr> >v ! fi! 2J! Ω“! ru =>v ! rxvç72 . r Yu vY><r
Zr Jv3



RzJ<ç7373BSjjYGVCO0S3

b 6 4 4 y 5 a M H 5

hyz=r r =Zx v sJ>fiYt fiY>fi [y a y uz= r“=r t fi&&r Yu l r Yu zYz>=>r>rt>fiY[yvY=v vt>u3b fi Zr J v z= r=fit z>u [z> yz=t fiY>fi r Yu yfi uzYx z>ufi[Y! v<fi<&= Yfi ruuz>fiYr w Yt>fiY3



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m 5 D n ((a M H 5

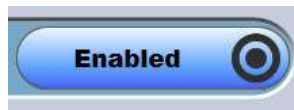
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RzJ<ç736 Gb Up0jjzG3

q6)) 3 p' H 5) a M H 5

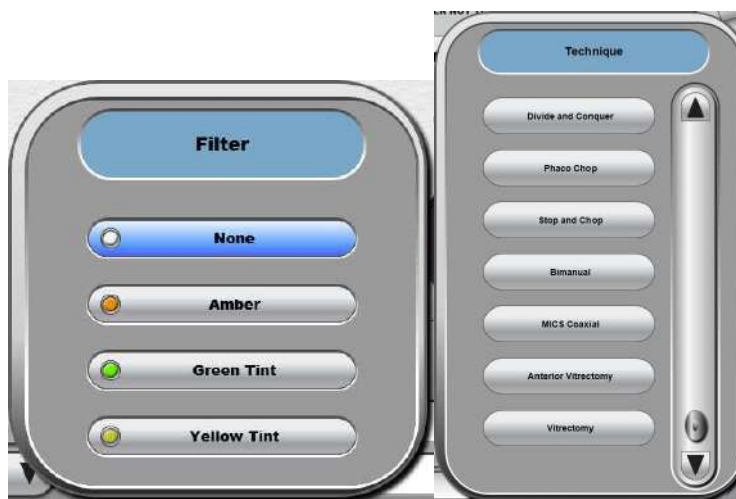
h y z = z r = z Y x v s J > f i Y t f i Y < f i f i Y r r s v v u t f i & & r Y u s J > f i Y l > y r > y r = r t z t v > y r > z = w v u [y v Y > y v w Y t > f i Y z = f i Y l r Y u J Y w v u [y v Y > y v w Y t > f i Y z = f i w 3 g v v t > y v s J > f i Y < f i x x v s v < v v Y > y v < f i = r > > 3



R x J < q 7 3 3 C z W W S B S j j Y G 9 O 0 j j z G 3

m 7 H 6 5 j 0 F H

L Y c ! > f i Y X z = r f i l = " f i J < f i = v t > f i Y v f i ! > f i Y w f i & r z = f i w r Z r z r s v t y f i z v = 3 g v v t > Y x > y v t J < w Y > " u z ! r " v u f i ! > f i Y [z t r J = v r z = > f i u < f i ! u f i [Y 3 c Y " f i Y v f i ! > f i Y t r Y s v = v t > u r > r x z z v Y > & v 3 g v v t > Y x f i Y v f i ! > f i Y r J < f i & r < r " u v = v t > f i > y v < 3



R x J < q 7 3 3 6 @ j Y G / Y j 9 3

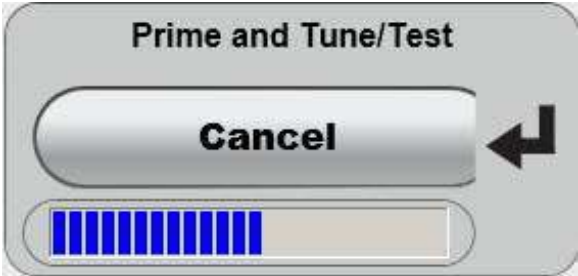
M C Q a 6 7 h t

u V B [/ j U ,] s / S k / L 8 3 C

I r F 9 l 5 H 9 (y TM

n 9 6) 9 ' F F a y 9

h y z = x < ! y z = y f i [= > y v ! < f i x < = f i w r ! < f i t v u J < v 3



RzxJ < ç 7 3 A 3 7 2 z V 2 S 9 9 p N 2 3

q ® ' “ 9 0 H 9 p ’ H 5) a M H 5

h y z = z = r = z Y x v s J » f i Y t f i Y < f i l [y z y [y v Y = v v t > u s < z Y x = J ! r Ω “ s f i r < u l > y < f i J x y [y z y “ f i J t r Y v Y > < r ! y r Y l & v < a >] »



RzxJ < ç 7 3 B 3 C + @ S X 2 Y S 2 B S j j Y G V p 0 j j z G 3

l M 90 M ' 7 y

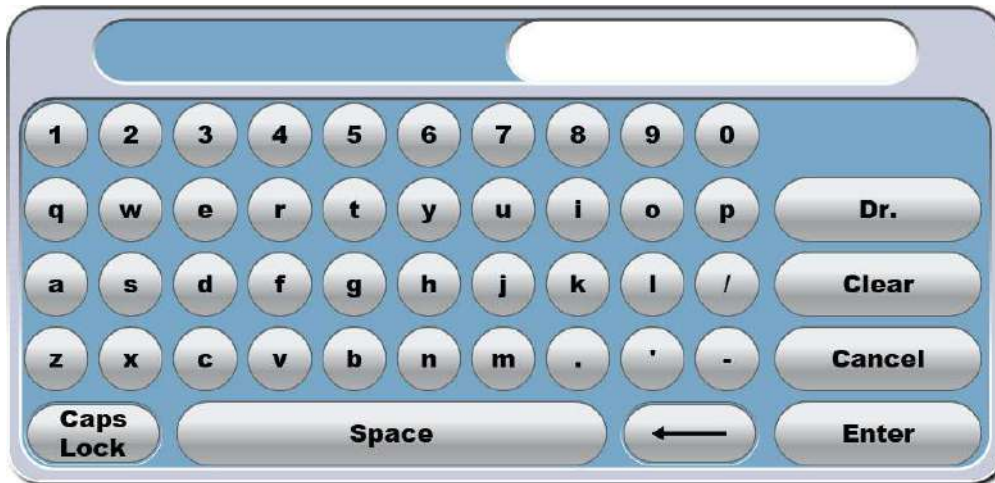
g v v t > Y x r Y J & s v < f i Y r = v > Y x x f i s v s < Y x = J ! > y v Y J & v < t Ω " ! r u 3 h y v Ω " ! r u r f i [= " f i J > f i < ! z i " v Y > < Y J & v < t r = J < t r = v > Y x = f i < t y r Y x v = v > Y x = 3 b J & s v < r < v v Y > < u s " > f i J t y z Y x > y v Y J & v < l > y v Y = v v t > Y x s G j S 2 > f i & r Ω > y v t y r Y x v 3 k y v Y r = J < t r w Y t > f i Y z = r t > Z v l > y v Ω " ! r u z = Y f i > r Z r z r s v 3



R z J < q 7 3 C 3 5 0 - S 2 P) S + @ N R 3

i'@6y9

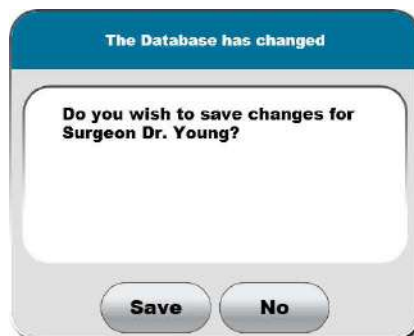
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 gv vt>s GJS2 [yvY“fiJ r<v ufiYv &fi =&Zv &v vYv< r Yū <v J <Yfi &v !&ZfiJ =& &vY-fi<ruZr Yt v &fi Yv]> vZv fiw
 !&ix<& &zYx =& &vY.3



RxJ<v7353) S+OzN2R3

n67B 7k 'Hy)' t 6“

hyz=>! v fiw[zYufi[r!!vr<fi uz! r“ zYwi<&r&fiYr &v=& xv=3Ov! vYuzYx fiY&v >! v fiw&v=& xv!“fiJ &r“
 sv<v%J &v &fi &v Ωr!!&fi! &v rt &fiYsvfi<v &v =&=& [z t fiYzYJv3b fi&v zYx v =& trYsv ufiYv fiY&v =& &vY
 [yzvr !fi! 2J! [zYufi[=&rt &v3hyv =& &vfiY&r“ svrs v &fi t fiYzYJv [&v &v !&it vuJ &v fiYt v &v v<fi<y r=
 svvY<v &v &v3



RxJ<v73637z@HD@4 S9NNSF YRzX3

Rfi<fi&v &v=& xv=& J xxv=&v rt &fiY=&fi &v Zv &v t fiYuz&fiYr!!vr<3Uw&fi<v &vY fiYv =& xxv=&v rt &fiYz=
 rZrzs vl!&v=&Yx &v 5 S& sJ&fiY[z t“t v &v &fiJxy r !fi=&v v =& xxv=&v rt &fiY=& Rfi<fi&v =& xxv=&v
 rt &fiY=&v sJ&fiY[z r!!vr<v r>[z zYz&v &v =& xxv=&v rt &fiY3

S M M 5 H Q q Y E . x Q 5 q Q z k

hyv 4 z2S BP2SSGr fi[=vr=“ rttv==>fi r =“=>v& !r<&v><3hyv v]rt>4 z2S BP2SSGfi! >fiY=rZrzs v[z
uv! vYu fiY>yv tJ <<vY>=>r> rYu =“=>v& =>v>Yx=>3gv vt>>yv 4 z2S BP2SSGsJ >>fiY->yfi[Ysv fi[. >fi fi! vY>yv
4 z2S BP2SSG3



RxJ <v736734 z2S BP2SSGp0jjzG3

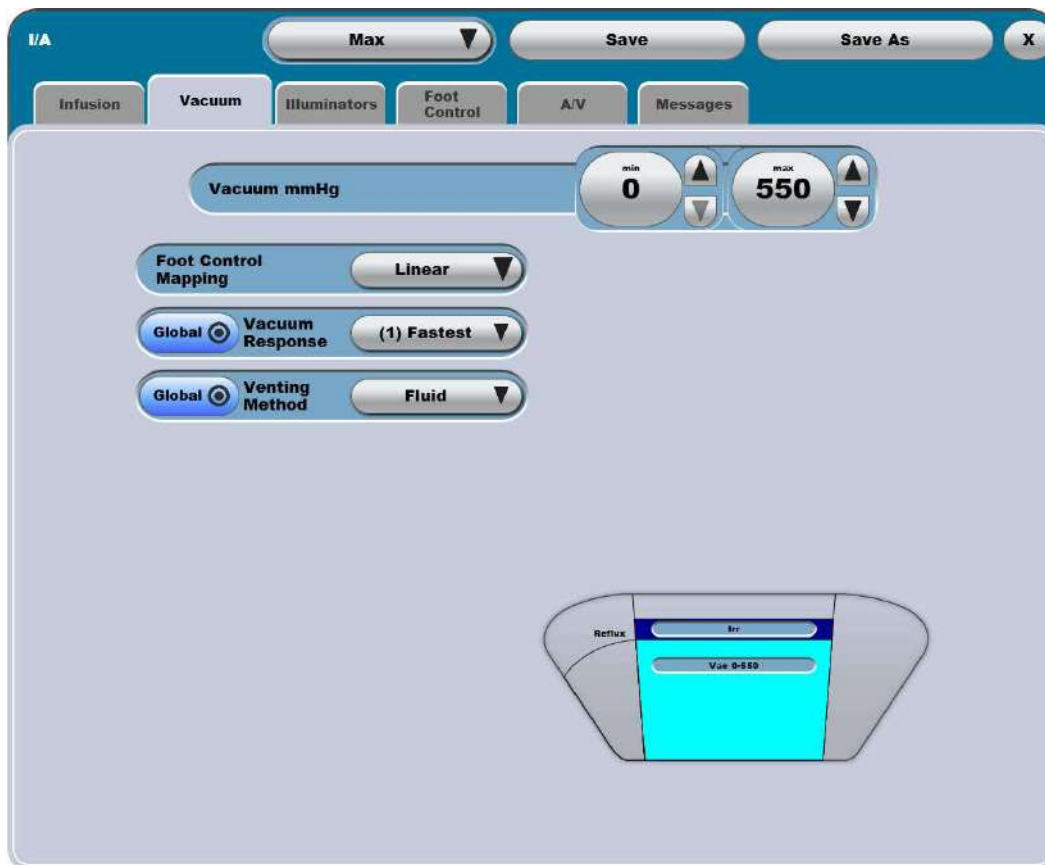
4 z2S BP2SSG CNO9 r<v rZrzs v w<R J zuA =-j rtJJ & rYu UxW =>fiY.li >r=fiJ Yu lNfirxJ r>fiYlj >>vt>fi&“1
d<&r<“ -UY>vx< >vu. Rfi fi>NfiY>fi lXr=>v<LJu zfi4j z=Jr rYu a v=>r xv=>3



l 6HU N H=>Hk 69' p T9'5 qyzF/[B/q/IL: IB/j/S“ FlqBS jIRBABVBSA] US jHB=>k[[BSj RUAB/SA
UjHB[]“]jBR V/[R BjB[]4

k 69' p^T 5 s y^{TMM} qyz

hyv 4 z2S BP2SSGENP00- CNO=yfi[=yvv ZrtJJ & =v>Yx=-&zYz&J & r Yu &r] z&J &.17 2Y N2+ IyGjSV2NjSRM
t zzj q zGj2z^{T4} N@@GVlZrtJJ & <v= fiYv =v>Yx -S fisr c Y4c wL<v= fiYv = vvu.1r Yu ZvYzYx &v>yfiu -S fisr
c Y4c wLz<fi<R Jz1.3



RxJ<v736834 z2S BP2SSGENP00- CNOB

k 69' p^T 5 h5(MR065 qyz

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Uj dfi vTvxy>tJ<vY>v>Yx r Yu &r] z&J & r fi[vu.ldr>vY>P“v XvZv lU<xr>fiYgyJ>c wOv r“lUxw=fiY
NfiY>fi -LJ>fi c Yla r Yjr lLJ>fi c Y4c wLz<dfi<vfiY>rtΩ r Yu d<v=J <vu Uxw=fiY! <v=J <v>Yx= l
U<xr>fiYRz hz&vlr Yu Mf r Yt vu gr >gfi J>fiYt fiY>Zv<v! v3

hyv Uj dfi v yvxy>=yvtJ<vY>uz>Yt v sv< vY>yv r= z>fiY! fi<r Yu yv &z1! fizY>fiw>yv Zv[zYx ! fi<fiw
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sv r fi[vu fi<rtYlJ>Jr “ uv><zYvu s“ yvtvz zYx yvxy>r Yu >r>>z&v fiw=“>v& zY> r>fiY3L •v<fi vZv
sfi>v yr Yxv<-MX98; 8. z>r Yfi! zfiYr rttv=fi< yv>r fi[=yvt Mf r Yt vu gr >gfi J>fiYu<l tyr&sv<fi sv vZv
[zy yv r= z>fiY! fi<v

I/A
Save
Save As
X

Infusion
Vacuum
Illuminators
Foot Control
A/V
Messages

Infusion Type
IV Pole

Infusion Control
Auto On/Off

Infusion Units
cmH2o

Air Port
Back

Phase
IV Pole Height cmH2O
85

Phase
Air cmH2O
86

Max IV Pole Height cm
140

Fill Time (seconds)
20

Patient Eye Level
0 cm (0 in)

Container Type
500 ml Bottle

Global
Irrigation Shut-Off Delay ms
250

RxJ 36934 z2S BP2SSGyG09WGCNO8



I 6HU

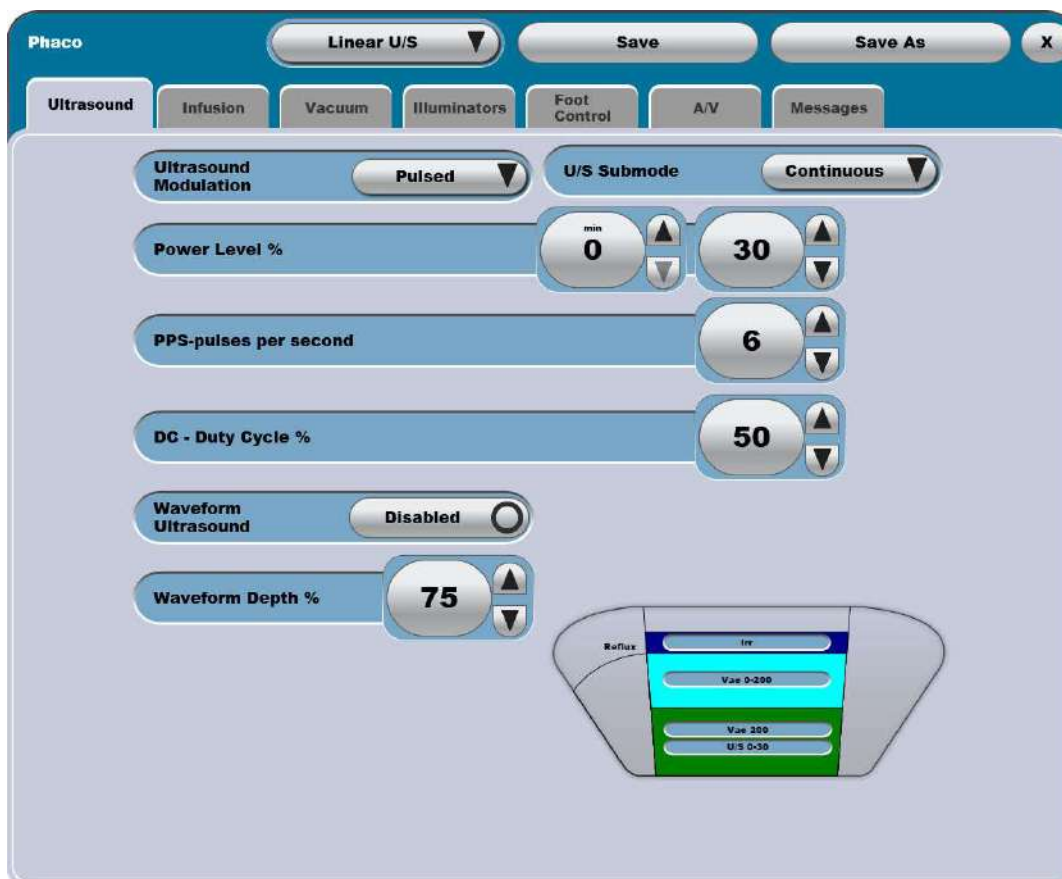
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M/CQa67ht

u VB[/jU[,] s /Sk/L 83a

k 69' p TM ' 5 r 3 9 y R 6 M 5 q y z

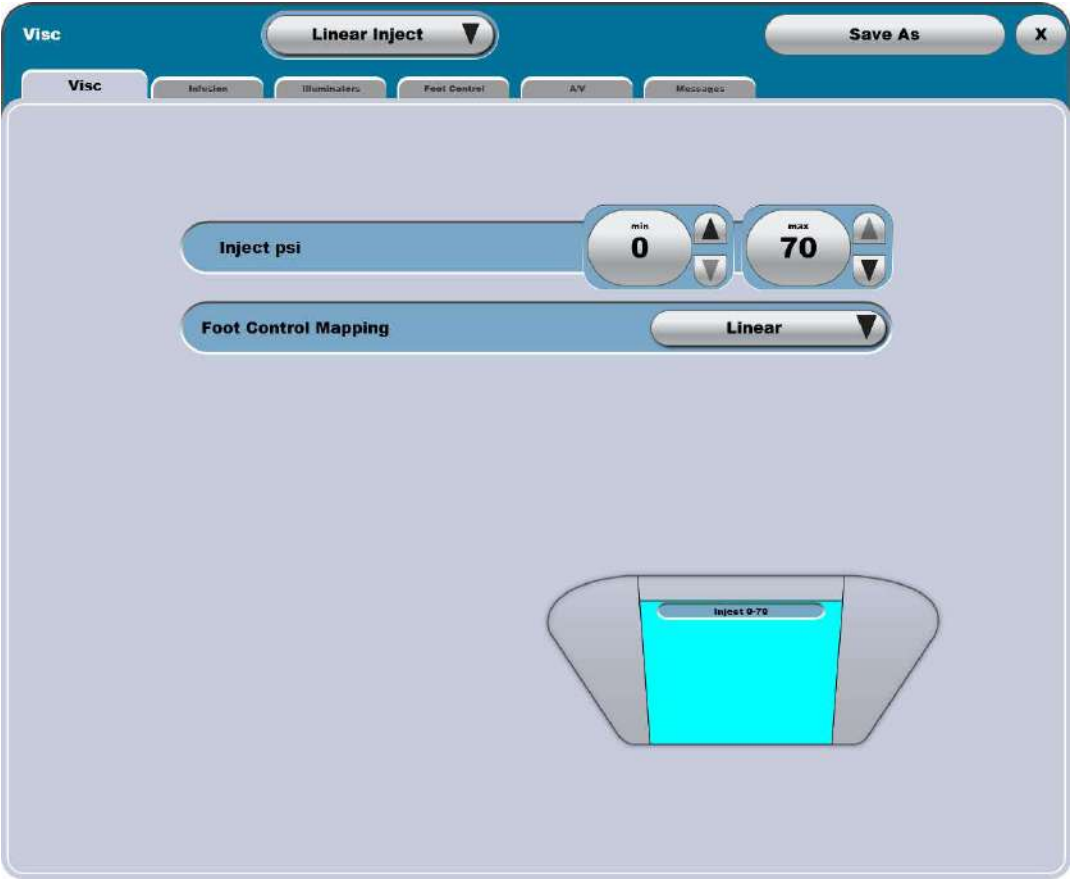
h y v 4 z 2 S B P 2 S S G D ' j 2 N 0 G R C N O = y f i [= > y v t J < < v Y > & f i u J r > f i Y > r > J = - N f i Y > Y J f i J = l d J = v u l g z Y x v M J < < l R z] v u M J < < l a J > l v M J < < l r Y u ! f i [v < v Z v 3 O v ! v Y u z Y x f i Y [y z y > ! v f i w J > r = f i J Y u & f i u J r > f i Y " f i J r < v J = Y x 1 " f i J & r " r = f i = v v Y J & s v < f i w ! J = v = ! v < = v t f i Y u - d d g . l u J > ' t " t v - O N . l s J < < u J < > f i Y - M O . 1 ! J = v z Y v < Z r - d U 1 [r Z v v f i < & > ! v l f i < [r Z v v f i < & u v ! > y 3 m f i J t r Y r u u f i < u v v > J ! > f i > < v & f i u J r > f i Y = j s & f i u v = l r Y u t r Y r u @ = > r Y " f i w > y v = v = v > > > Y x = >



R z x J < v 7 3 6 : 3 4 z 2 S B P 2 S S G D ' j 2 N 0 G R C N O 8

k 69' p T P ' 5 s O T M q y z

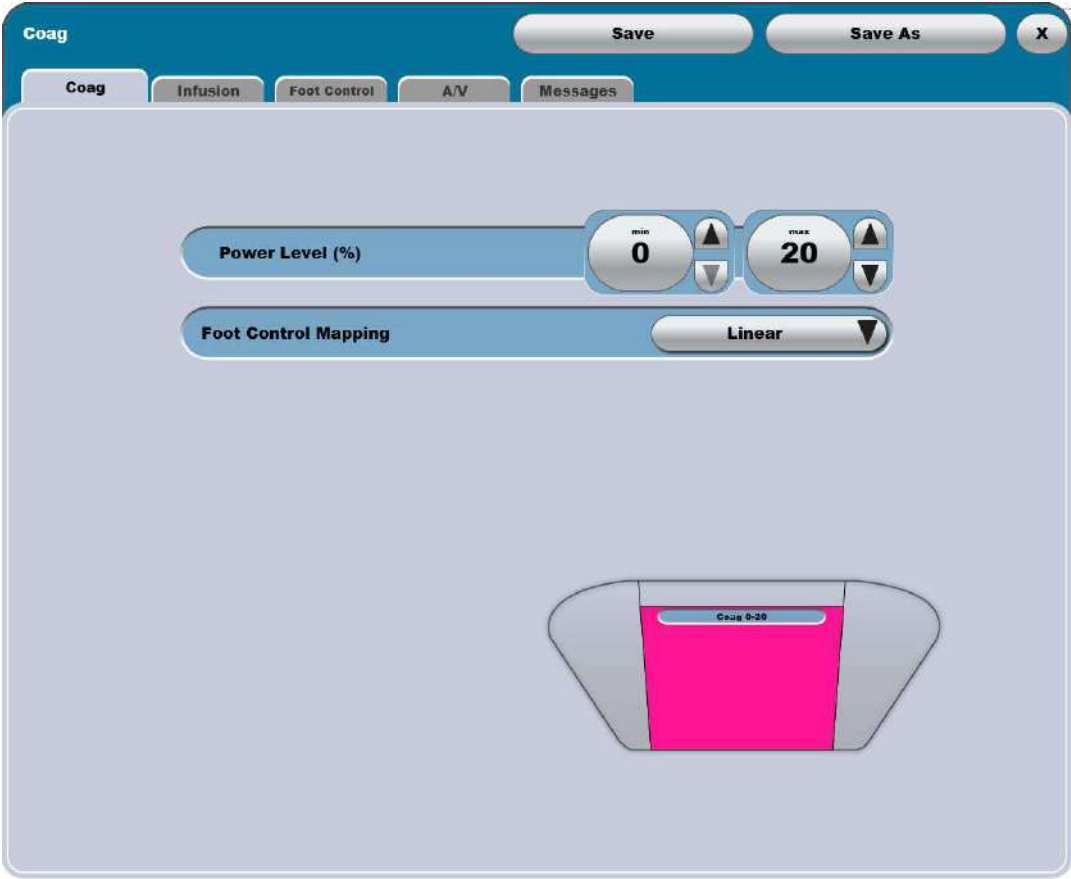
h y v 4 z 2 S B P 2 S S G E W P C N O = y f i [= y v z Y @ t > f i Y f i < v] > t > f i Y ! < v = J < v - z Y x v Z r J v f i < & z Y r Y u & r] . r Y u R f i f i > N f i Y > f i a r ! ! z Y x - X z Y r < l R < f i Y > X f i r u v u l M t Ω X f i r u v u . 3 L = J < v f i Y v Z v = v > > Y x t f i Y > f i = [y v > y v < J Y z > r < v u z = ! r " v u z Y ! = z f i < Ω d r - = v v N y r ! > < 8 . 3



R z J < v 7 3 6 ; 3 4 z 2 S B P 2 S S G E W P C N O B

k 69' p^T9'5 b 6y) MByH65 qyz

hyv 4 z2S BP2SSGq zNM0^TNjYGCNO=yfi[=>yv t J<<vY>&zYz&J & rYu &r] z&J & !fi[v< vZv =lr Yu >yv 72Y N2+ IyGjSV2NjSRM zzj q zGj2z^T4 N@@GV&fiuv3mfiJ trYru@=>vzyv<!fi[v< vZv =>vYx3



RzxJ <v73A34 z2S BP2SSGq zNM0^TNjYGCNO8

k 69' p™ ' 5 s 09™ 4 ®qyz

hyv 4 z2S BP2SSGEŸ2SPjz- + CNO r fi[=“fiJ >fi tyr Yxv >yv tJ <<vY>=J s! yr=v -Rz] vu NJ>Nfi2XzYvr<j zJ
OJr 4nr[j rt 1OJr 4nr[NJ>lgzYx v NJ>1>yv tJ <<vY>=v>>Yx=vi<yv &zYz&J & r Yu &r] z&J & Nda -tJ>v<
&zYJ>. 1r Yu >yv tJ <<vY>72Y N2+ IyGjSV2NjSRM zzj q zGj2z™ N@@YGV-zwr!! zrs v.3



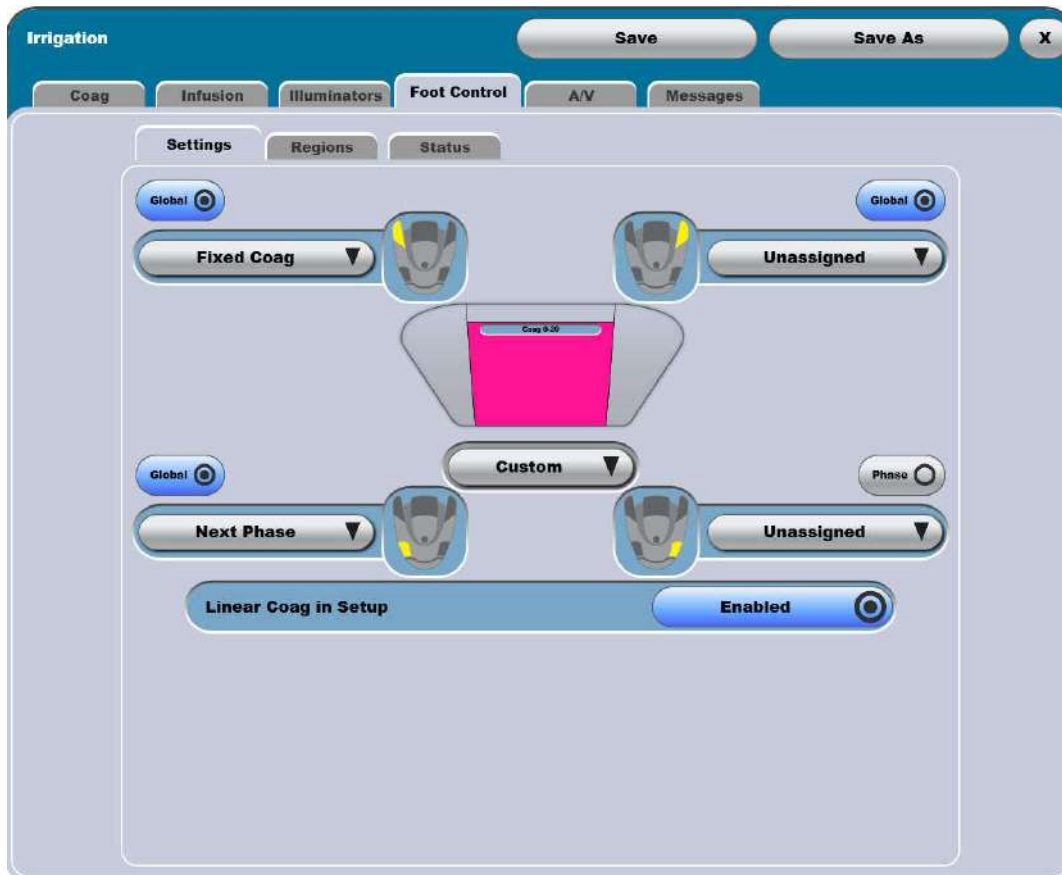
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IrF9h5H9(y™

k 69' p^TΨ'5 e 66Hb 65H63qyz

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d<&r<“ -U>vx<vu. Rfifi>NfiY>fi ⇒vt >fiY-⇒v !rxvq6297.3

hyv BSjjYGV9 B0QjNO⇒yfi[=γv t J<<vY>w Yt >fiY=r⇒x Yvu >fi vrt y fiwγv d<&r<“ -U>vx<vu. Rfifi>NfiY>fi
sJ>fiY=b v]>i 4g -i >=fiJ Yu. a fiuJ r>fiYfiYmr[1f vwJ] fiYmr[1f vwJ] h“!v1r Yu XzYvr<Nfir x zYgv>J!3
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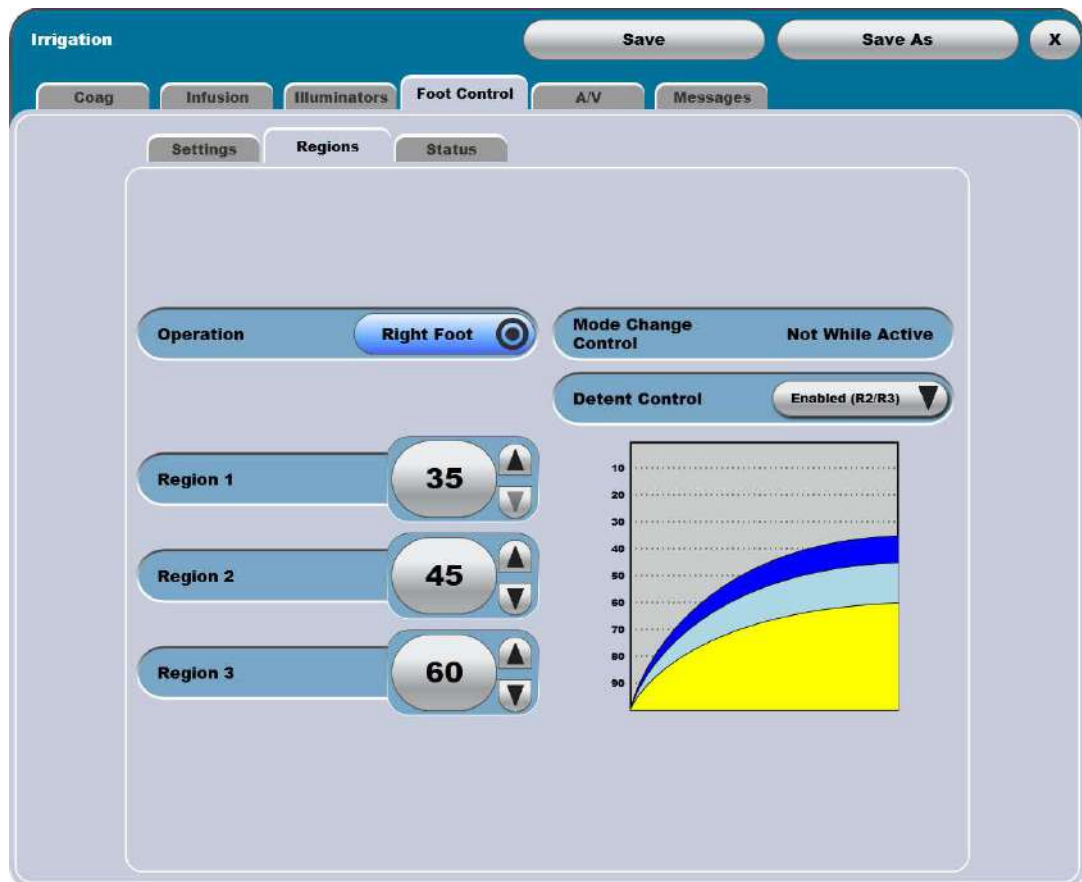


RxJ <v/3634 z2S BP2SSG72Y N2+ IyGjSV2NjSRM zzj q zGj2z^TCNOaBSjjYGV9 B0QjNOB

837M u VB/[jU,] s /Sk/L

MCOa67ht

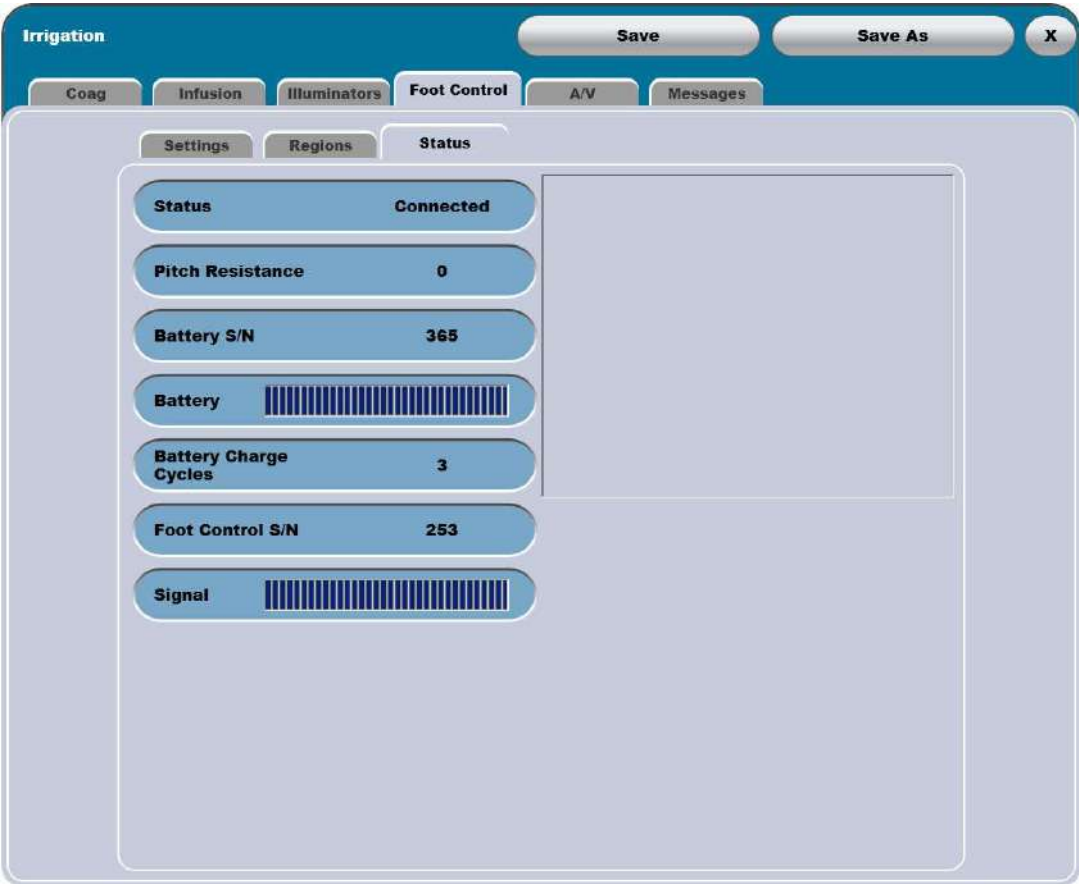
h y v A S V Z G 9 B 0 Q J N O = y f i [= > y v t J < < v Y > = v > z Y x = w i < < x y > f i < v w > w i f i > x u f i ! v < > f i Y l & f i u v t y r Y x v t f i Y > f i 1 > y v R f i f i > d v u r ! z t y < x z f i Y = r Y u u v > Y > f i ! > f i Y = 3 m f i J t r Y & f i u z w > y v > > < z Y x u v ! < v = > f i Y ! f i = > z f i Y w i < v r t y < x z f i Y 3



R x J < q 7 3 / 5 3 4 z 2 S B P 2 S S G t z z j q z G j 2 z T C N O a A S V Z G 9 B 0 Q J N O B

I r F 9 l 5 H 9 (y T M

h y v B j N 0 9 B 0 Q j N O = y f i l = > y v t J < < v Y > = r J = f i w = v Z v < R f i f i > d v u r f i ! > f i Y = l z Y t J u z Y x t f i & & J Y t r > f i Y = r J = l s r > > < = r J = l r Y u = x Y r = > v Y x > y 3 h y v = v r < v Y w i < & r > f i Y r f i Y “ r Y u Y f i > J = v < v u z r s v 3



R x J < v 7 3 7 6 3 4 z 2 S B P 2 S S G 7 2 Y N 2 + I y G j S V 2 N j S R M z z j q z G j 2 z T C N Q a A S V v G 9 B 0 Q j N O 8

8 3 7 P u V B [/ j U ,] s / S k / L

M C Q a 6 7 h t

k 69' p^T 5 W 9 qyz

hyv 4 z2S BP2SSGo dE CNO r Yu z= s s r fi [“fiJ >fi tyr Yxv &r Y' r= vt >fiw yv r Ju zi r Yu Zauvi uz= r“3

hyv o 0 R V B 0 Q j NO t fi Y >fi = yv &r >v <Z fi J &v w i <yv = “>v & l r = [v r = yv = vt z w >fi Yv r Yu Z fi J &v J = vu w i <L v <L = z >fi Y l N fir x J r >fi Y l P v Z r >u U w >fi Y l U < z r >fi Y U w >fi Y l W “ l X r = < f v w J] l c t t J = fi Y l h z & v < i > >fi J Yu l j z U < t > j z > t >fi & “ l r Yu j f i z v N fi Y w & r >fi Y 3 h yv = vt >u >fi Yv [z s v ! r “vu [yv Y >r > w Yt >fi Y z = r t >Z v l r Yu >v w % v Yt “ fiw yv >fi Yv [z tyr Yxv [z y yv Z r J v fiw yv w Yt >fi Y 3

hfi tyr Yxv >yv >fi Yv = vt >u w i <r ! r < J r < w Yt >fi Y l = vt > y r > w Yt >fi Y r Yu z [z r ! ! v r < r > yv >fi ! fiw >yv = < v Y l r fi Yx [z y r u di ! u fi [Y & v Y fiw >fi Yv = t J < v Y “ r Z r z r s v w i < J = 3 b fi >fi Yv & r “ s v J = vu = & J > Y v fi J = “ s “ > fi w Yt >fi Y = l r Yu = fi & v w Yt >fi Y = y r Z v r < v % z v >fi Y 3



R x J < v 7 3 7 3 4 z2S BP2SSGo dE CNO o 0 R V B 0 Q j NO 3

g v vt > yv >fi Yv “fiJ [r Y >fi tyr Yxv l >yv Y J = yv & v Y r Yu r < fi [= fi Y >yv < x y > = a i v fiw yv = < v Y >fi = vt > yv >fi Yv J = vu w i < y r > t fi Yu z >fi Y l r Yu >yv Z fi J & v r > [y t y >yv >fi Yv [z s v ! r “vu 3 c Y “ >fi Yv = Y fi > t J < v Y “ z Y J = w i < r Y fi >yv < t fi Yu z >fi Y [z s v uz= r “vu 3

j f i z v N fi Y w & r >fi Y t r Y r = fi s v v Y r s v u fi < u z r s v u >fi J x y > z = s 3

M / C Q a 6 7 h t

u V B [/ j U ,] s / S k / L 8 3 T

I r F9h5H9(y™

hyv r Y@N- CNOtfiY>fi r fi[=“fiJ >fi ru@=>yv uz! r“ s<xy>Yv=lZfi v t fiYw&r>fiY r YxJrxvlr Yu >fi t vr<
>yvrZv<xv Zr Jv=r Yu vr!=vu >&v=fi<yv => <xdr w Yt >fiY=fi<y=tr=v3



RzJ<v7/834 z2S BP2SSGo dE CNOAr Y@N- B0QjNB

837W u VB[/jU,] s /Sk/L

MCOa67ht

hyv EYRSz 6 1S2'N+ B0QjNO r fi[=“fiJ >fi =v vt>>yv r YxJrxv >fi s v J =vu >fi <Zaivfi fiZv<r“=3

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zYv=fiY>yv Zaivfi fiZv<r“3U>yvi 4g t fi&s zYv fi! >fiY>=v>>fi KS9l>yv uz= r“ [z r!!vr<fiYfiYv zYv1[y> y
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RzYr “1“fiJ trY=v>>yv Zaivfi fiZv<r“ fiZv<rY zYfiYv uvx<vv zYt <v&vY>wfi& 5) >fi :) 3



RzxJ<v737934 z2S BP2SSGo dE CNaEYRSz 6 1S2'N+ B0QjNO3

k 69' p 19' 5 h 3M 6y 19 qyz

hyv 4 z 2S BP2SSGy™ YNjz2 CNO r fi[=“fiJ >fi vYrs v fi<uzr's v >yv J!! v<rYü fi[v< r&! =rYü >fi =>>yv
tJ<<vY>! fi[v<rYü w>><-YfiYv1r&s v<dx<vY>Y>“v fi[>Y>3

hyv s fi>fi& =>t >fiYfiw>yv 4 z 2S BP2SSGy™ YNjz2 CNO uz= r“=>yv >“! v fiwsJ s tJ<<vY>“ zY=> vu zYvrt y
r&! 1rYü >yv YJ&s v<fiwyfiJ <fiw r&! zw <v&r zYzX3

Irrigation
Save
Save As
X

Coag
Infusion
Illuminators
Foot Control
A/V
Messages

Illuminator Upper (%)
Off
40

Illuminator Lower (%)
Off
40

Filter
Green Tint

Upper Illuminator Bulb Type
Xenon

Lower Illuminator Bulb Type
Xenon Mercury

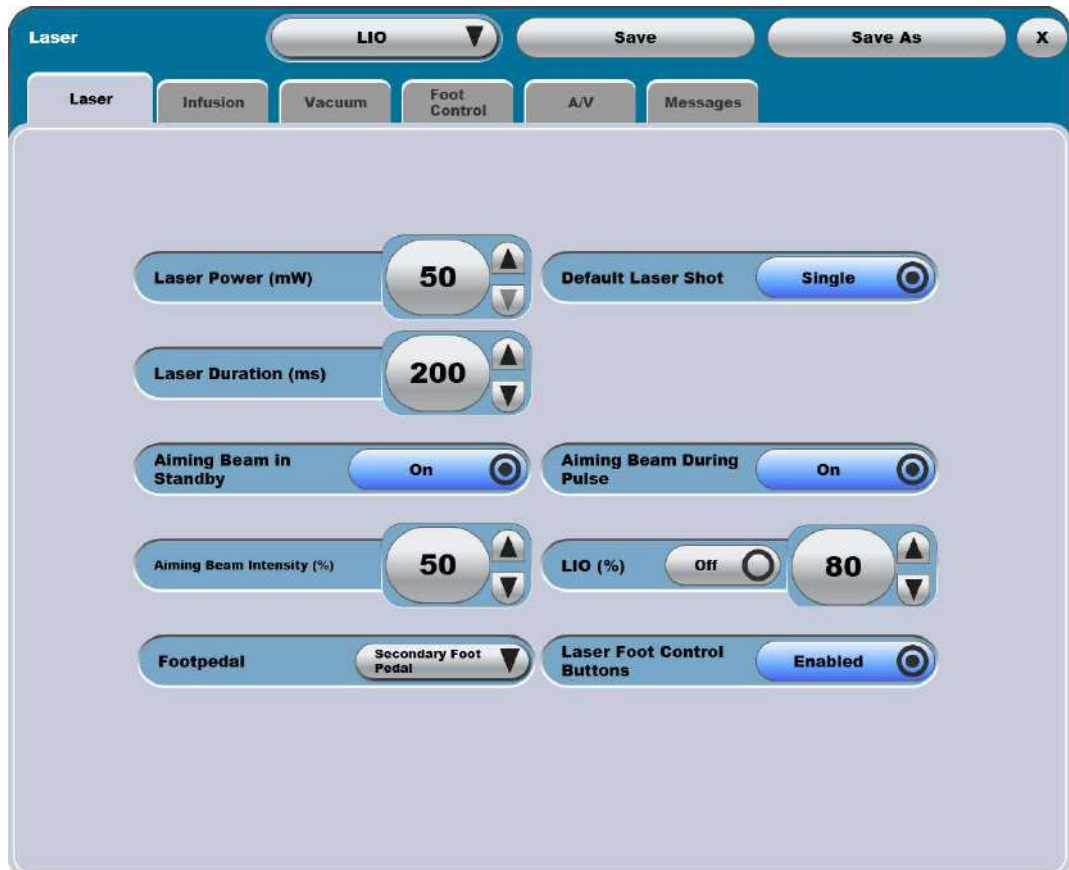
Hours Remaining
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Hours Remaining
0

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k 69' p^T 5 j y F 9 qyz

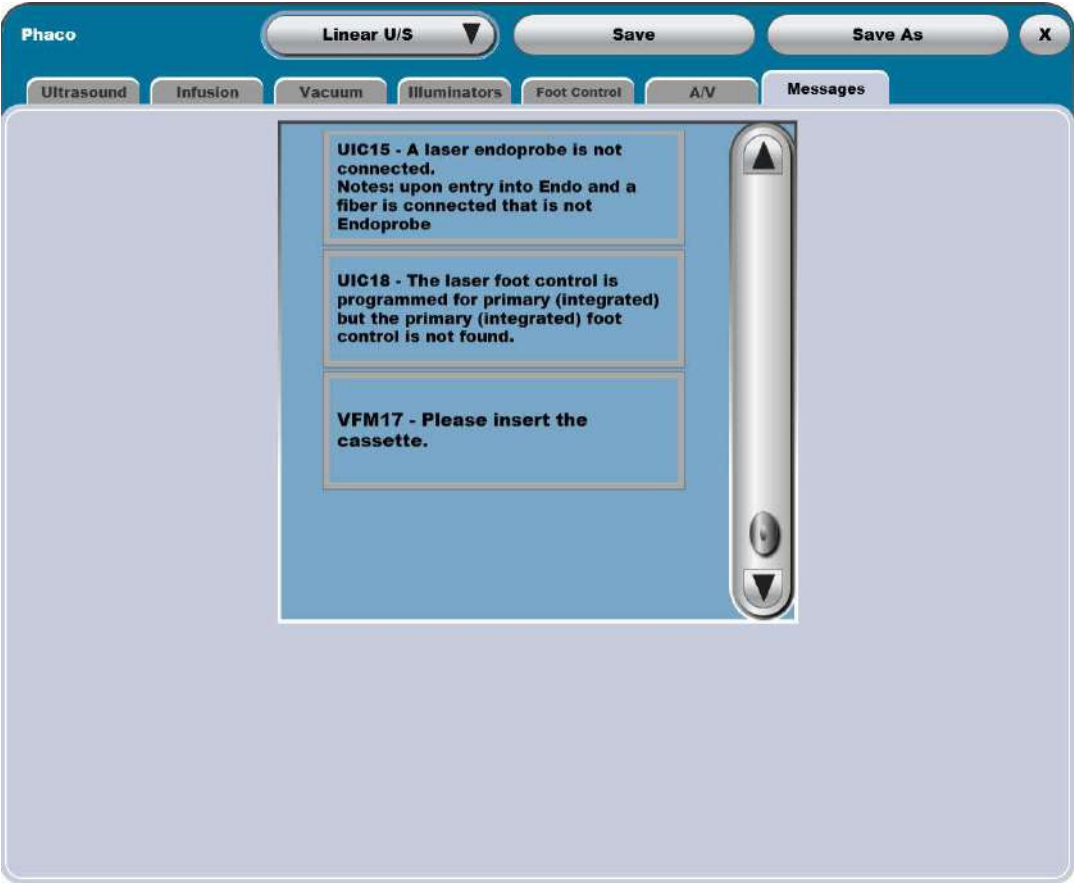
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 -c Y4e wwlLz&zYx Mtr& U>yY=>“ -) .1Rfi>dvr -U>x<>u Rfi>dvr 1gvt fiYur<“ Rfi>dvr .1OvwJ >Xr=>v<
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 -PYrs vulOzrs vu.3Xr=>v<wYt >fiYr z“ z=fiY“ rZrzs v zY! fi=>v<fi<&fiuv=>3



RxJ <v737; 34 z2S BP2SSG/ N8S2 CNO

k 69' p^Tϣ'5 k 'Hf y)' Fqyz

hyv 4 z2S BP2SSG4 S99NVS CNO z>>r =“⇒v& &v⇒rxv⇒3 mfiJ trY≠<fi >y<fiJxy >yv &v⇒rxv=>fi ⇒vv rY“
z⇒Jv=>y r>y rZv r<⇒vYuJ <Zx >yv tJ <⇒vY>tr=v3



RxJ <ç737A34 z2S BP2SSG4 S99NVS9 CNO8

SMM 5H® QqYE 5q® z k yY™ xHX



I 6HU

EU=B=USD[R/jIUS-IDBS/:IBA. [B]VUSA] jUv [IR/[["-rSjBF[/jBA. i Uj f USj[UL[BR UjB=USj[UL
/SA US3]=[BBS:kjjUS]4



RzJ<v73/B3B02VYNBP2SSGao Gjs2V2 4 zRS3

b 36T2k '5M

hyv <ij Yu q 2Px 4 SG0 zY>v &zuu v fiw>v =<vYtrYuz! r“ J! <fi 67 !yr=<fi<v] tv! <fiY=3hyv v] tv! <fiY=J=r “ r!! vr<fiY>v vw=<zuu v fiw>v q 2Px 4 SG0 lrxrZ>=r ur<v<srt Ω<fiJ Yu3hyv=<r<v J=<zuu vYv <fi sv rY“ &fiuv fi<!yr=<v>! v3hyv BSj0@r Yu s GRr<v >v =<v& v Yt <fiYΩ“=zY>v q 2Px 4 SG0 <fi t yr Yxv wfi&=<v<v r uz! r“ =<vY<fi gv<v! r Yu P Yu =<vY<v

MCOa67ht

u VB[/jU,] s /Sk/L 838C

r 319y F6M5 69 b 6y) MB, 1065

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&fiuv z=tJ<Y>“= vt xu vfi& yv q **TPx 4 SG**03hyvtJ<Y>=v>Yx z=fi[YzYyv r<v= v>Yx x fisvl[zy
r x<vYsrt X<fiJ Yu vfi<J x<fiJ Yu lfi<J J< v srt X<fiJ Yu vfi<t firxJ r>fiY3 hyvrt J r Zr Jv z=uz! r“vu zYyv
&zu v fiwy>v= v>Yx=J sv3

k yvYJ <=fj Yu >rt>Zvlr Yfi! <fiY >zt fiY<fi r!! vr<=ZY yv fi| v<=<xy>ti<Yv<dr Yu => vt>Zx yv sJ <fiY
r fi| = "fiJ <fi => vt>wfi & r >=fiw! <2l <fx< &&vu J <=fj Yu => s & fiuv=3Uw"fiJ => vt>! J =>v J <=fj Yu l yv
! J => v<=vt fiYu -ddg. r Yu uJ>" t" t v -ON. =>Zx x fis v=r!! vr<3

5019'™ 164® y5 s y™ 164

h yv J ! ! v < v w v t f i Y f i w y v t < v Y y f i [= = J = f i w y v j z v t f i & “ r Y u j r t J J & w Y t f i Y = l r f i Y x [z y y v = z y x
x f i s v = f i r u @ = y v & 3

b 6y) MBy 1065 .e 0'' /

Uwfi Yw fiw>yv 72Y N2+ IyGjSV2NjSRM zzj q zGjz^{1p}0jjzGpYr=svvY! <ix< &&vu >fi t fiY>fi t firxJ r>fiYlr =&r NfirxJ r>fiY>=>Yx x fis v | z r ! | vr<=>fi| ZYx >yv tJ <yY> &r | z&J & w vu =>Yx w< >yv t firxJ r>fiY Y wY >fiY3

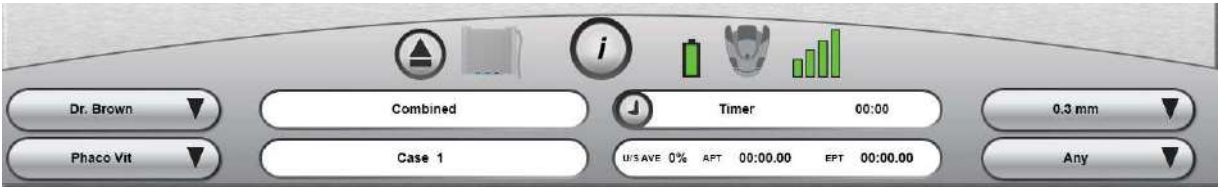
pHMFa y 9F

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sJ>fiYlr=[v r=ɣv d<ɔr< -Ux<ɔu. Rfifi>NfiY<fi sr>ɔ< vZv lRfifi>NfiY<fi z fiYlr Yü [ɔv v=ɔYr
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$$h_{YV} = f_{V|Y} = \frac{f_{YV}}{f_Y} = \frac{f_{YV}}{\sum_v f_{YV}} = \frac{f_{YV}}{f_Y} = f_{V|Y}$$

- NJ <v>gJ <vfi>Y-vuzs v.
— NJ <v>Yhvt yZv v-vuzs v.
— Ofi&rZY-L Yv<fi>
— Nr=v b J&sv<
— hZv<
— i 4g LZv<vvlDh lPdh
— b vvu v-vuzs v.
— S <uv>-vuzs v.

I r F 9 h 5 H 9 (y T M



RxJ 7 353 B0 2 V P N B P 2 S S G B j N 0 9 p N 2 3

h y v a f i v g t v v Y s J Y r f i l = r t t v = f i y v 4 z 2 S B P 2 S S G w i t y r Y x z Y x Z r f i J = f v & ! r t & v v 3



RxJ 7 3634 z 2 S B P 2 S S G p 0 j j z G 3

8 3 P u V B j U , j s / S k / L

M C Q a 6 7 h t

ahDRuY IxImgPhuhzPCpDRSY

nH&X L 0 (k) RxH®5™&X L

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l 6HU

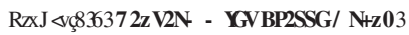
y k[FI≠ LABqI=B] R/ “ SUj : B UNB[/ jBA Ak[ISF V[UF[/ RR ISF4



l 6HU

v UjB[IU] jk[FI≠ LIR S≠IUS] R/ “ : BV[UF[/ RR BA US / p H3y90Fd3HY -er 777MQ ql]IUS BSH S=BR BSj j “jjBR 2BqBS jHukFHjHB“ ≠ SSUj : B BkBA US jH'j j “jjBR 4

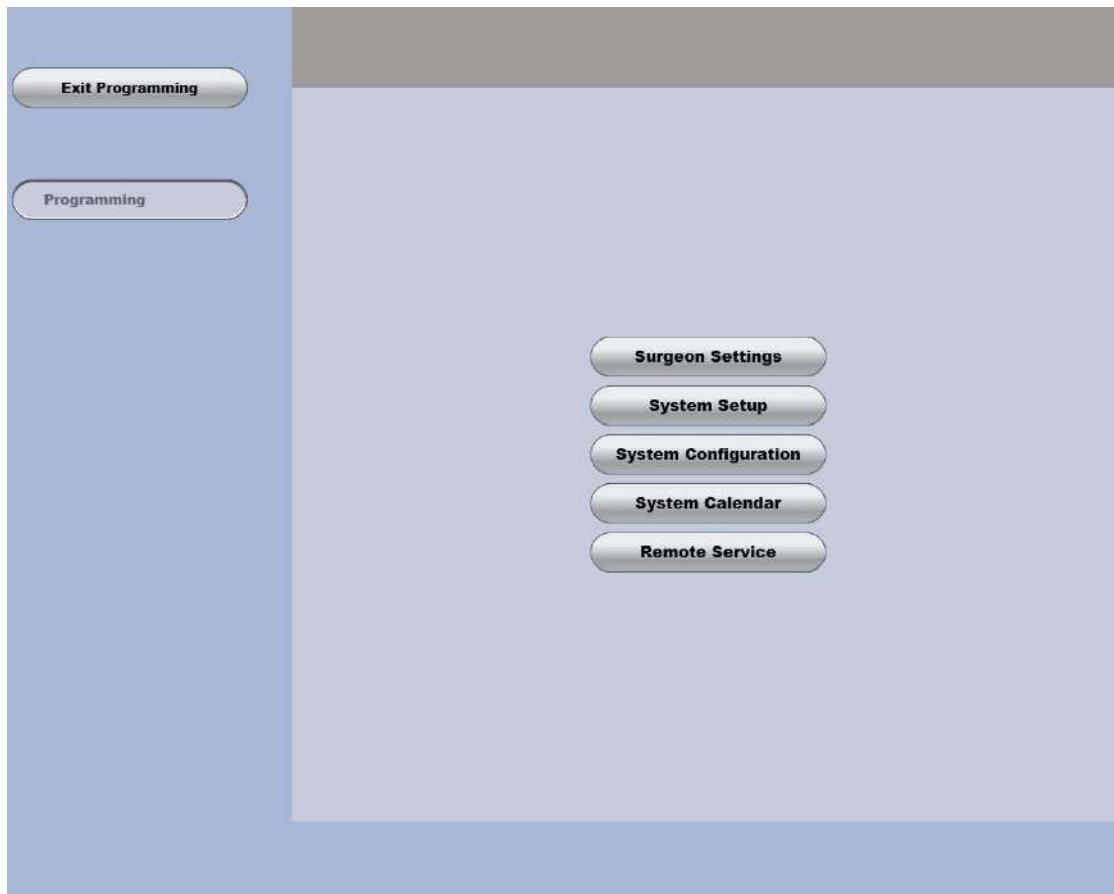
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hfi !<ix< &=">v & !r< & v><=<=v vt>72zV2N- - YGVwfi& &rZYq 12Px 4 SQ0 fiY>v BS'SPj B02VSzG
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- gJ <vfiYgv>Zx=
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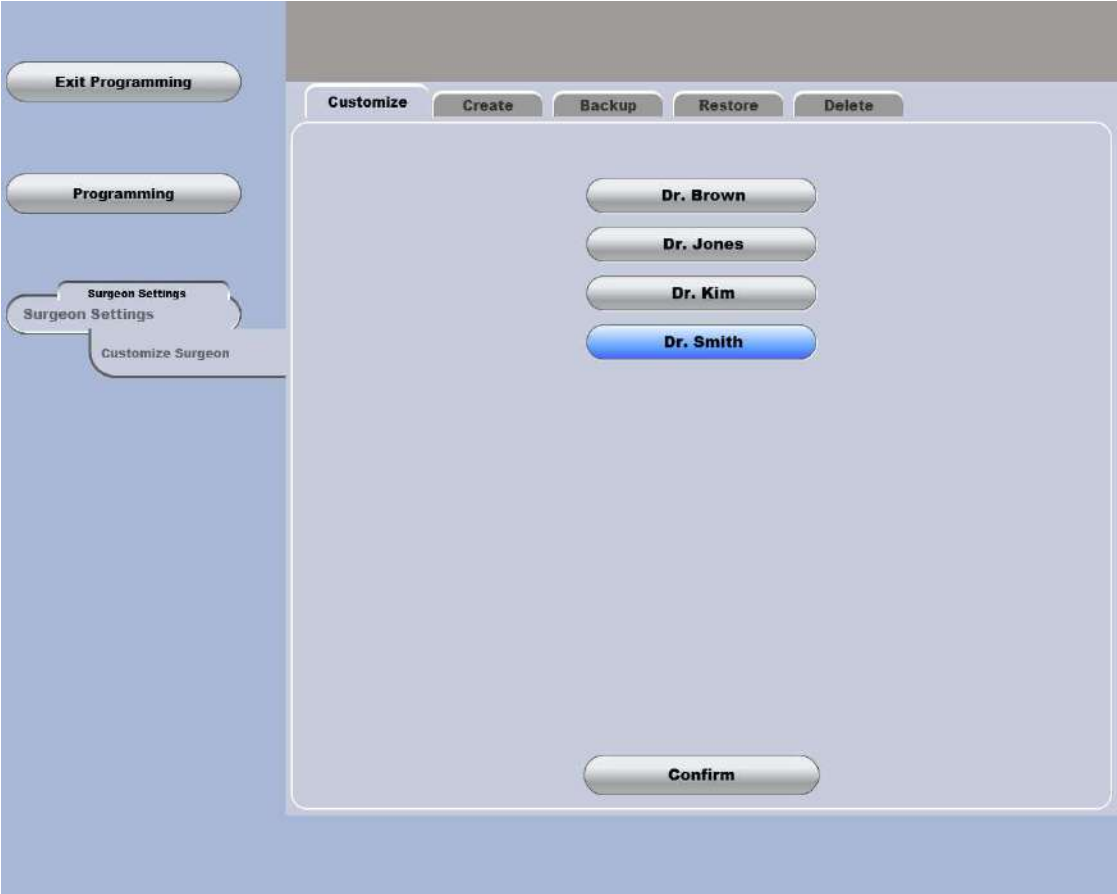
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KS9 >fi =Zv "fiJ <t yr Yxv=r Yu fiZv< <v v] z=Zx wv=lr Yu 5 z >fi uz=r <u "fiJ <t yr Yxv=3

TNM . YkY) z 5zXdk) &

gv vt>B02VSzGBSjjYGV9 wfi& >v 4 NG72zV2N - YGVBP2SSGlrYü r Yv[ð<vY[z r!!vr<y<fiJxy [yzt y
“fiJ trYtJ=>fi&zvrYv] z=>Zx =>vfiY,=wvlt<r>r Yv[=>vfiY! <vw<Yt v wv s“ t fi!“zXx wfi& rYv] z=>Zx
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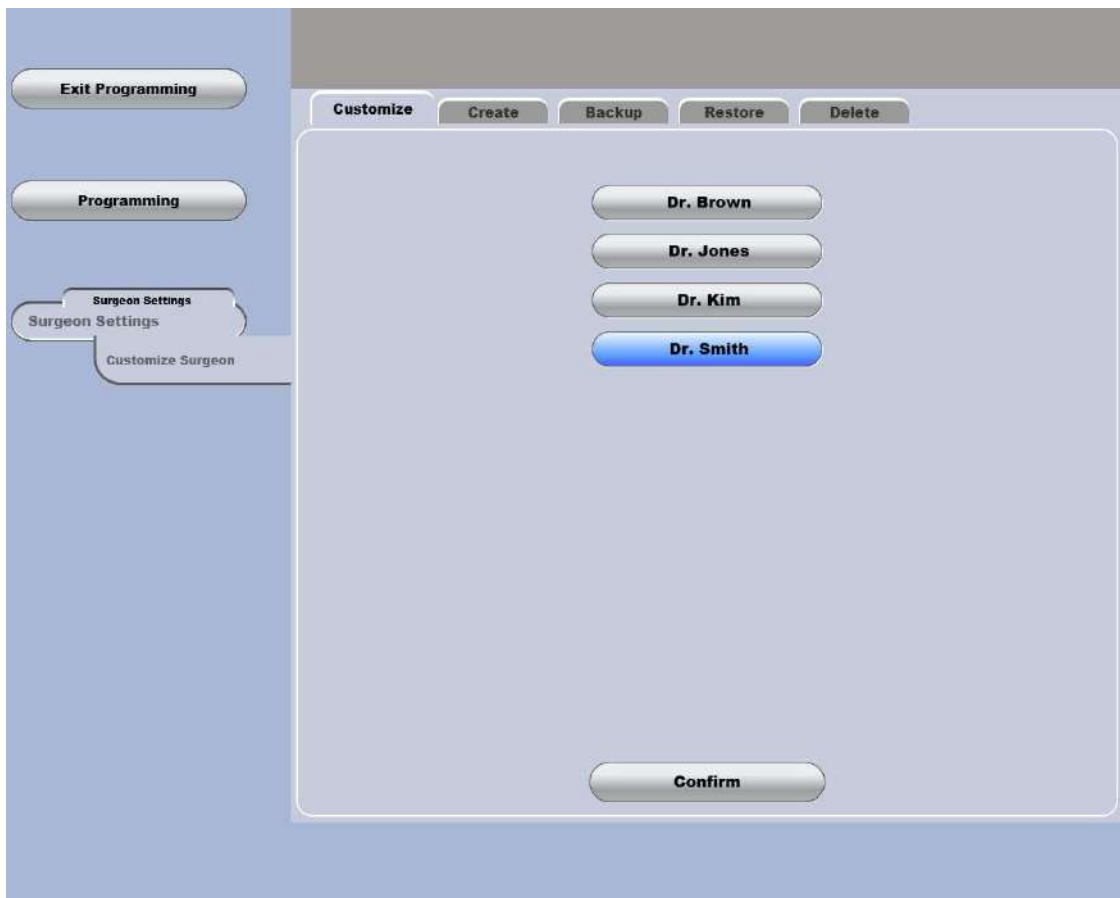


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b MH4 (f15) y p' H5) Fe 03

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 vYr Yt v&vY>=“>v& [z r!! vr<3gv vt>yv Yr&v fiw yv =J<vfiYwv xi sv &fiuzwvul yvY=v vt>q zGUE- 3hyv
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 r Yu ERSz 6 1S2!N+3Prty xs r fi[=“fiJ xi &rOv x fisr tyr Yxv=xi =“>v& !r< &v><lr Yu z=uv=< <svu zY
 uvxz sv fi[3

g“>v& !r< &v><trYsvtJ=fi&z vu r>uzw<Y> vZv =3S fisr =v>Yx=xOv! rtvr>yv hvtY Yz/v XvZv 3
 hvtY Yz/v vZv =v>Yx=trYsv fiZv<zuuvYr>yv! yr=v vZv 3gvv yv xs vr>yv vYu fiw yz=tyr! ><vfi<uvxz=
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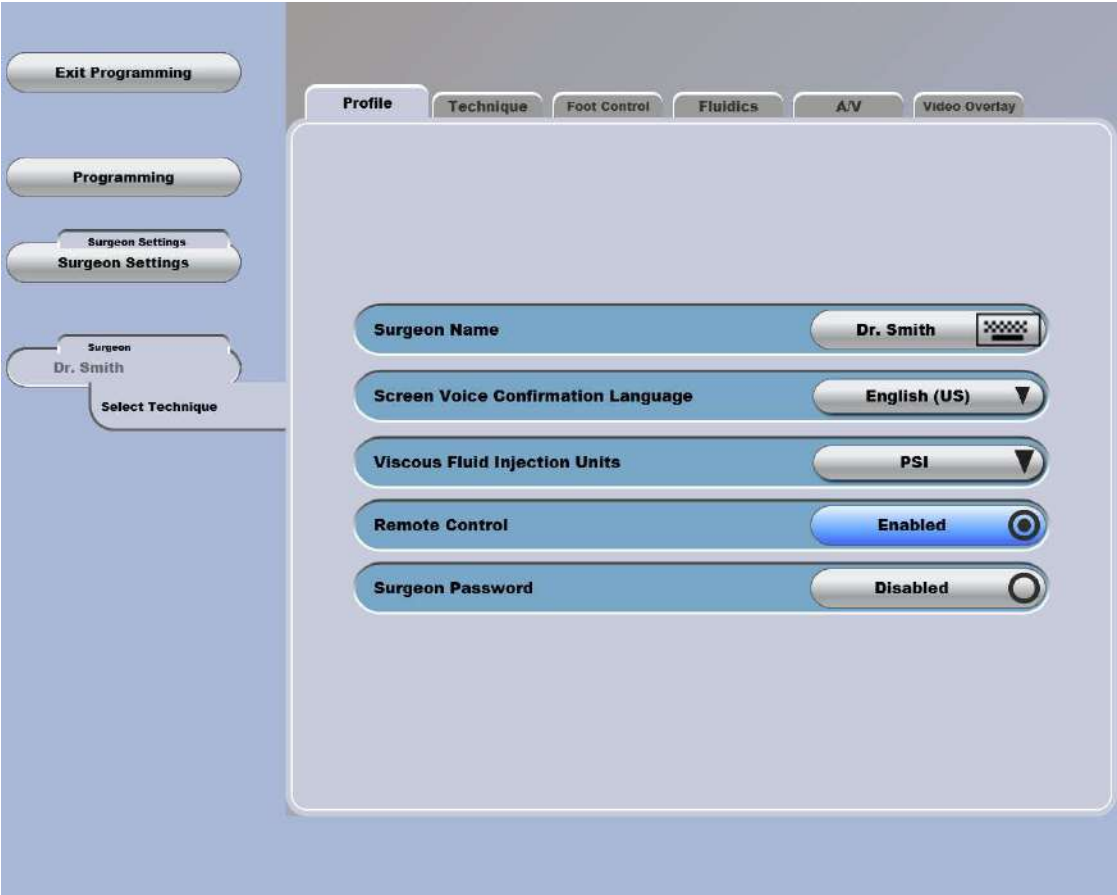


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b MH4 of n96&3

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U@t >fiYi Yz=-dg UΩdr=r .lvYrs v fi<uzrs v J=v fiw>yv <v&fi> t fiY>fi r Yu =J <vfiY!r= fi<u1=v vt>>yv
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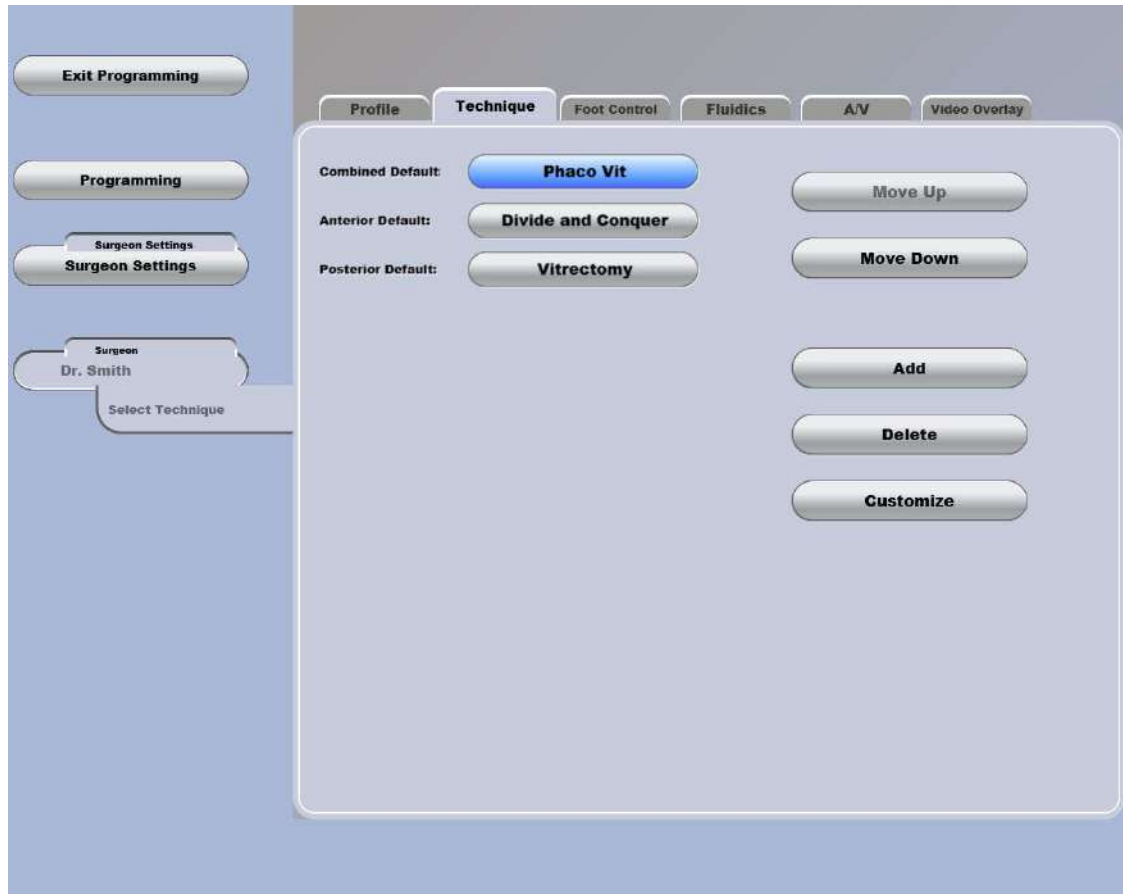
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C3P u VB[/jU,] s /Sk/L

M'COu67ht

b MH4 q' q'™508M

hfi tyr Yxv >yv >tyYz%v=rZrzs v w<r !r<J r<J <vfiYfi<&fiuz' >yv<v>Xx=≡ vt>>yv CSPWGY 0S CNO
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zY[yz y >yv“ r!! vr<gvt>o RR>fi ruu r Yv[>tyYz%v >fi >yv >J <vfiY,= >gvt>r >tyYz%v >yvY≡ vt>
r S'SjS >fi <v&fiZv zfi<≡ vt>q 09jz- YS >fi t fiYzYJ v ! <fix<&&zYx >yr>>tyYz%v3



RxJ <q83 3 CSPWGY 0S CNOzGB02VSzG/ SIS'7 2zV2N - YGVBP2SSG

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t fiY>fi vu wfi& >yv t fi<v=fi YuZYx >s3gvt>>yv <xy>2 fizYzYx r<fi[>fi >fi[>yvj zivfi c Zv<r“ >s3

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fi<xzYr >=3

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Exit Programming
Programming
Surgeon Settings
Surgeon Settings
Surgeon
Dr. Kim
Technique
Vitrectomy
Select Phase

Profile
Phases
Exceptions
Foot Control
Fluidics
Illuminators

Infusion Type
IV Pole

Infusion Units
mmHg
Air Port
Front

Infusion Pressure mmHg
30
Alternate Infusion mmHg
60

F/AX mmHg
30
Alternate F/AX mmHg
60

Vacuum Response
(1) Fastest
Venting Method
Air

Irrigation Shut-Off Delay ms
250

RxJ <83A3q 09jz- YJS CSPWGY 0S BP2SSG3

- 72z UYS' CNO@ hvt yYz/ v b r & v l f v & f i x N f i Y > f i - P Y r s v l O z s v.
- 7 WWS9 CNO@ Prty > t y Yz/ v & r " zYt Juv J! < i v x y > ! y r = 3 h y v 7 WWS9 CNO = y f i [= > y v Y r & v f i w > y v ! y r = v l r Y u > y v & f i u v w i < > y r > ! y r = 3 d y r = v t r Y s v r u u v u l u v v > u l f i < < 2 f i < u v < u 3 h y v " & r " r = f i s v t J = f i & z v u l r = u v t < s v u s v f i [3
- s & S G j Y G 9 CNO@ Prty > t y Yz/ v & r " zYt Juv J! < i v x y > y t v ! < f i Y = l w i < r < f i x f i w y f i & f i < y r Y 6 7 ! y r = r Y u v] t v ! < f i Y = 3 P] t v ! < f i Y = t r Y s v r u u v u l u v v > u l f i < < 2 f i < u v < u 3 h y v " & r " r = f i s v t J = f i & z v u l r = u v t < s v u s v f i [3
- 72Y N2+ IyGjSV2NjSRM zzj q z Gj2z T CNO@ d < < r < " - U < v x < < > u. R f i f i > N f i Y > f i M j > f i Y - 9 < < < Y u r < i = v < ! J = t J = f i & = > > Y x = l v Y r s v 4 i z s v Y v] > J < r = f i J Y u & f i u J r < f i Y f i Y " r [l < w J] f i Y " r [l < w J] > " ! v l w] v u t f i r x ! f i [v < l z Y r < t f i r x = > J !
- t 0 Y R Y 9 CNO@ L = l z < < f i Y > " ! v = - j r t D j r t a f i u v = l R f i [D j r t a f i u v = l R f i [D R f i [a f i u v = l R f i [D L & f i u v = l U X w = f i Y h " ! v - l j d f i v l d < = j < < v u. l U X w = f i Y i Y z - & & < T x f i < N a < T c . l U X w = f i Y a f i u v - a r Y l r l L J < i c Y l L J < i c Y < w l U j d f i v T v z y > j r t J J & f v = f i Y = v l j v Y z Y x a v > y f i u - L z < f i < R J a. l U < z r < f i Y g y J < w O v r " - & = l r Y u d < = j < < v u U X w = f i Y g v > > Y x = 3
- y T 0 Y N j z 2 9 CNO@ U J & z Y r < f i Y N f i Y > f i = - P Y r s v u 4 O z s v u. l i ! ! v < r & ! f i Y f i w r Y u ! v < v Y > f i Y l f i [v < r & ! f i Y f i w l ! v < v Y > f i Y l r Y u w < < - Y f i Y l r & s v < d x < v Y l " v f i [. l O z = ! r " z J & z Y r < i t f i Y > f i = - r Y < < f i < > t y Yz/ v f i ! < f i Y f i Y " .

Rfi<t fi&s zYvu >ty YZ%v=l UXW=fiYh"! v1UXW=fiYi Yz>l R4L1 ! <=J <v1UXW=fiY! <=J <v1P vZr>vu UXW=fiY
! <=J <v1r Yü P vZr>vu R4L1 ! <=J <v>v>Yx=r <v uz! r"vu3hyv" r <v Yfi>uz! r"vu zYr Yv<fi<&fiuv=3

Rfi<r Yv<fi<>ty YZ%v=l >yv Uj dfi v Tvxy>v>Yx r Yü d<v=J <v vu UXW=fiY! <=J <v >v>Yx r <v uz! r"vu3

b MH4 (H5) n- yF Fy5 d"™7H65F

Mi>y dyr=>r Yü P] t v! >fiY=tr Ysv <fi<uv<vu r Yü t J=>fi&z vu3gv vt>r ! yr=>fi<v] t v! >fiYwfi& >yv z=>fiY>yv
r!! <fi! <v> >s lr Yü >yv q 09jz- VS sJ>fiY[z r!! vr<3gv vt>q 09jz- VSIr Yü &fi<v fi! >fiY=> vt >v >fi >yr>
w Yt >fiY[z r!! vr<lr Yü tr Ysv &fiuz>vu3hyv=>tr YzYt Juv dyr=> UXW<&r>fiYl 72Y N2+ IyGjSV2NjSRM zzj
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"fiJ r<v ufiYv &rΩYx t yr Yxv=l=>vt>s &y 72zV2N- - YGv3hyv=>v>v& [z r=Ω"fiJ >fi t fiYw& "fiJ<t yr Yxv=
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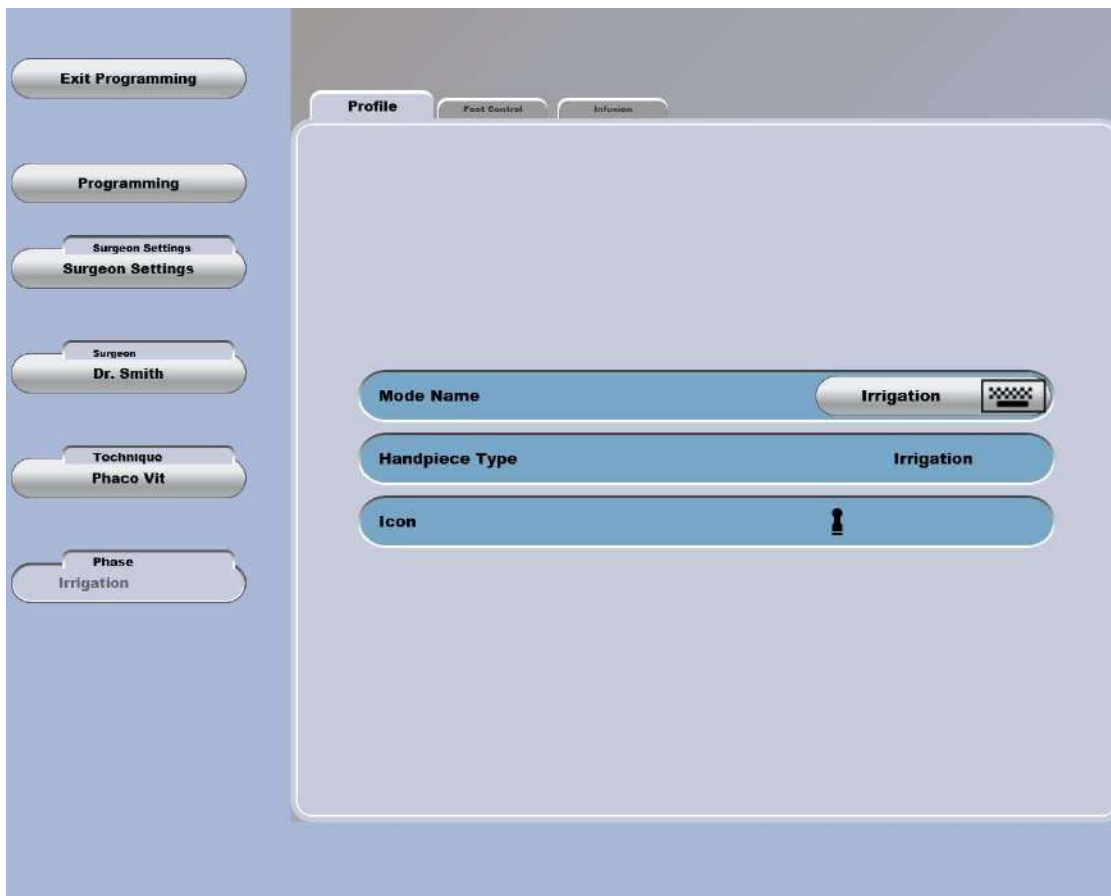
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IB'lj USBSU[R/LVH'jBIS B'>HjB=HSIXkE2/SAjHB[B>S: BSURU[BjH'S WB<=BVjIUS]4



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RxJ<gB3q 09jz- YS 7 WWS BP2SSG

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k yz y >s=r<v uz=< r“vu uv! vYu=fiY[yz y &fiuv “fiJ r<v zYlr Yu [yv>yv<NJ=>fi&v gv>>Yx=s“ Nr=>v z= uz=>s vu fi<vYrs vulr=uv>vzvu zY>yv >s v sv fi[3

. xVZ	6Yh&n& EY™zv xk 3- Y& 3&) @L L dk) 5q@z k&
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dyrt fi R<x	d<fiw vld<&r<‘ -U>vx< >vu. Rfifi>NfiY>fi lj rtJJ&1 UW=>fiYli 4g
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. xVZ	6Yh&nG, EY™zv xk 3- Y& 3@) @L L dk) 5q@zk&
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j zt fiJ=RJ zu NfiY>fi	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1j zt
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P] >J uv	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1j rt JJ & 1 Nfir x ->Nfir x fiYmr[z=vYrs vu. 1U&w=fiY
XzYr<Nfir xJ r>fiY	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1Nfir x
b MH4 (P' H5) Fz@b yP SGNOSR	
P] >J uv	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1Nr=>
d fi=>v<fi<j >vt &i&“	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1Nr=>
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UL	d<fiw vld<&r<“ -U&v< >u. Rfifi>NfiY>fi 1Nr=>

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TMM 5H® z xk yzKzE5zXdk) &

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b MH4 (P' n904 y9®. h5H) 9yH / e 66Hb 65H63

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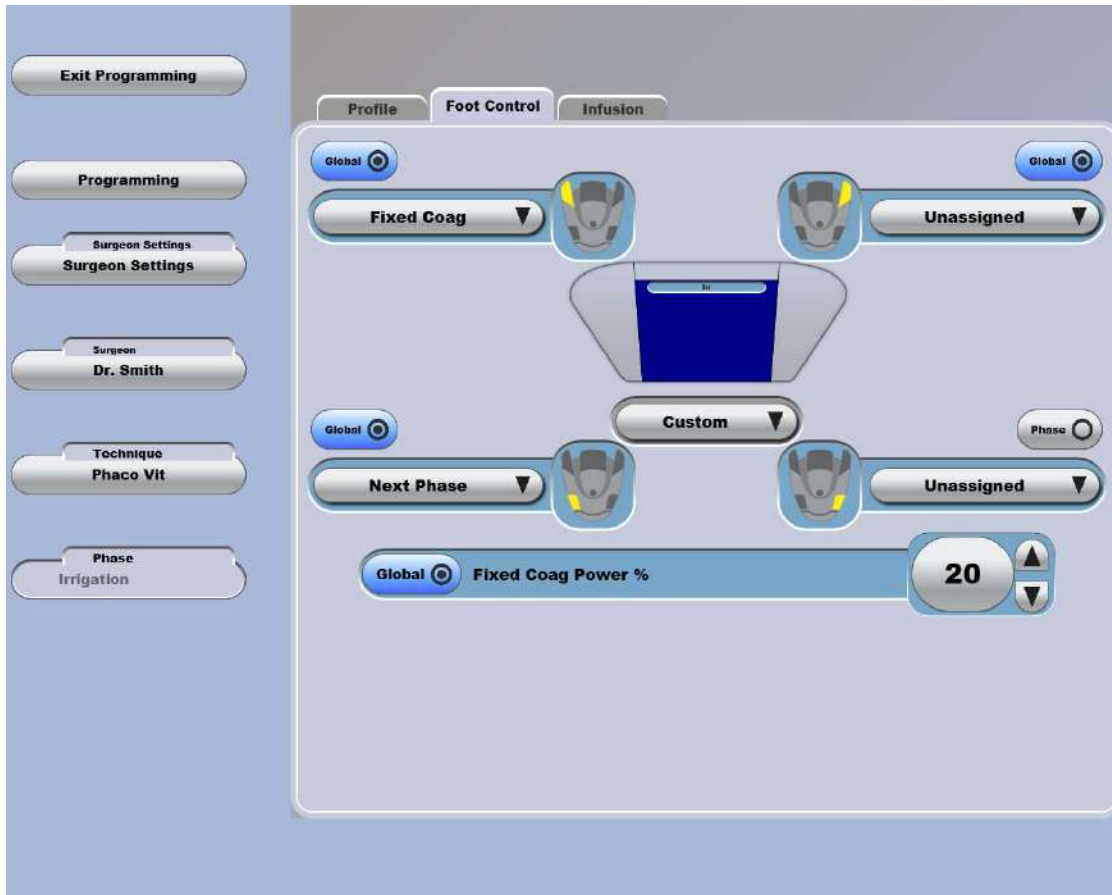
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Lb MH4 (H5) v6Mp@H4

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b MH4 gP e 3M OF

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- yG09YGq zGj2z™ LJ >fi c Yla r YJr 1LJ >fi c Y4 ww
- q zGjNGS2 C+@S -: 55q&X s fi>>v1: 55q&X M r x17: 5q&X s fi>>v.
- 7NYSGj s +S/ S1S™<v r>Zv >fi >yv r=l zt >fiY! fi<>fiY>yv wJ a1t ==“=>&.
- EY2SPjz- +u N0VS -L Y*175S r178S r17: S r.
- t 2NV5 SSR™u N0VS -L Y*175S r178S r.
- s &j20RS u N0VS -L Y*175S r178S r17: S r.
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b MH4 qf WD . WM 06D QM3

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RJ Yt >fiY=>yr>trYyrZv r >fiYv r=>fit > >u [>y >yv& zYt JuvD

- L v<
- L=> > >fiY
- NfirxJ r>fiY
- P vZr>u UXW=>fiY
- Ww“ -fiY“ Zfi J &v trYsvru@=>u.
- U>xr>fiYUXW=>fiY
- Xr=><-fiY“ Zfi J &v trYsvru@=>u.
- c tt J=>fiY-R fi[=>=>&=>fiY“.
- f vWJ]
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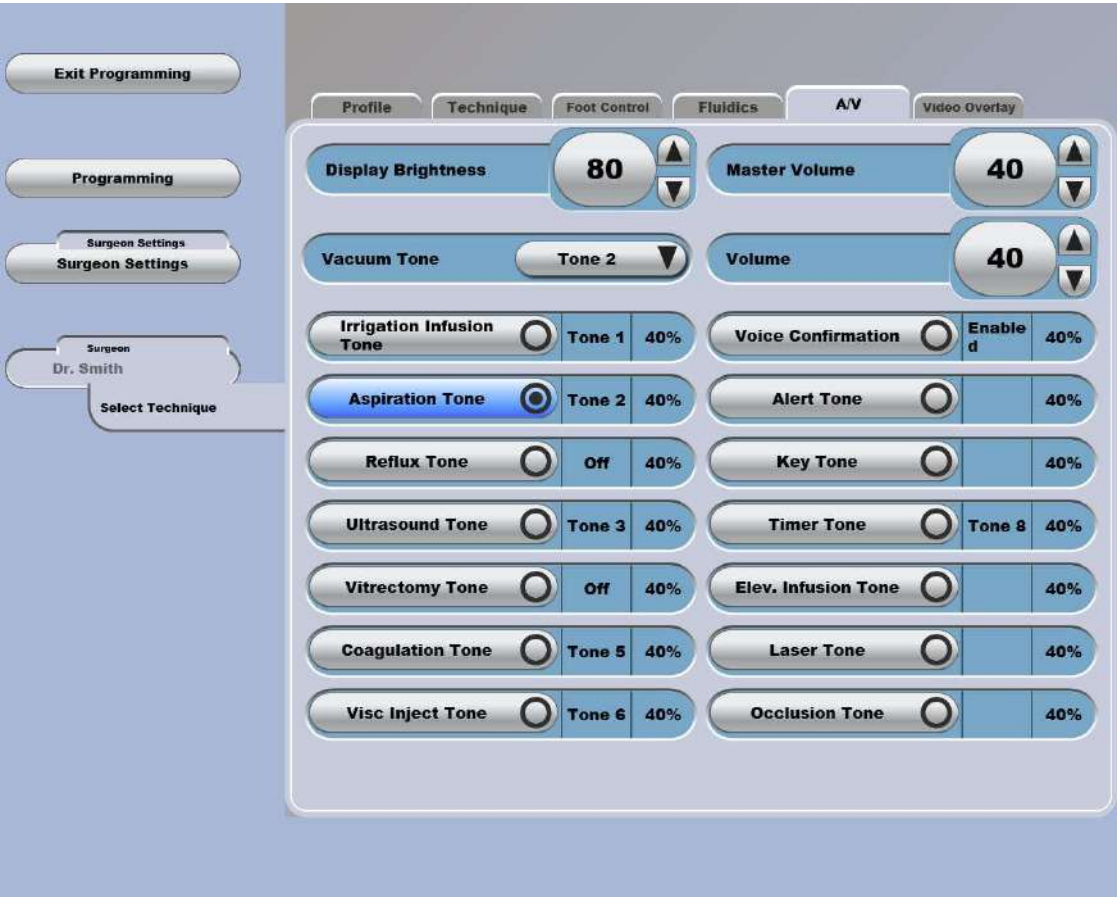
l 6HU

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u VB[/jU,] s /Sk/L C370

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/ **S1S⁷2zV2N- - YG**BP2SSG3

mfJ trY≡vt>yv rYxJrxvfi svJ≡vufiYyv j zuvfic Zv<r“3

The screenshot displays the 'Video Overlay' settings screen. On the left, a vertical sidebar contains buttons for 'Exit Programming', 'Programming', 'Surgeon Settings' (which is highlighted), and 'Select Technique'. Below 'Select Technique', the name 'Dr. Smith' is visible. The top of the main window features a series of tabs: 'Profile', 'Technique', 'Foot Control', 'Fluidics', 'A/V', and 'Video Overlay' (the active tab). The main content area lists four settings, each with a blue label bar and a control element on the right:

- Video Overlay Language:** Set to 'English (US)' with a dropdown arrow.
- Combine U/S Averages:** Set to 'Display' with a dropdown arrow.
- Combine Settings:** Set to 'No' with a radio button.
- Video Overlay Overscan:** Set to '3%' with a dropdown arrow.

C37P *u* VB[/jU,] s /Sk/ L

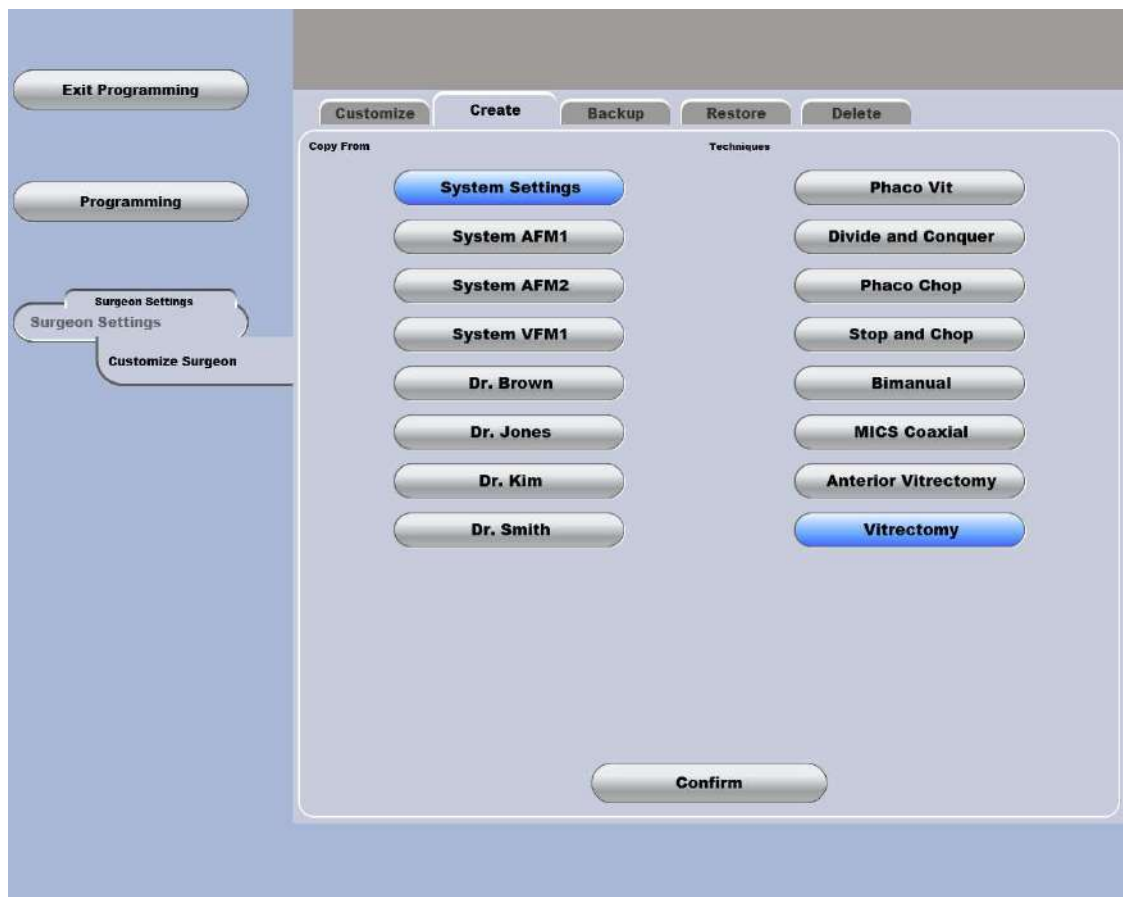
~~MCOa67ht~~

TMM . YkY) z 5H® z xk pœ &

b 9'yHy l '“ p' H5) Fe Ø

hyv =“& [z t fi&v ! <2 firuvu [zy =Zv< =“& wv=lzYt JuzYx g“& gv>Yx=-L RJ Yt >fiY=lg“& L Ra 6lg“& L Ra 7lrYu g“& j Ra 63

hfi t <r> r Yv[=J <vfiY! <w<Yt v wv l= v t > yv q 2SNJS CNO wfi& yv B02VSz GBSjj YG9 BP2SSGI yvY= v t > yv v[>Yx =J <vfiY wv [yz y yr= >Yx= & fi= > & zr< fi yv wv “fiJ r < xfiZx fi t <r> >3c Yt v “fiJ yrZv yzy zy>u r wv l yv >ty YZ% v= zY > r > wv [z sv > >u fiY > v <xy> >u v fiw yv = <vY3gv v t > fiYv fi< & fi< >ty YZ% v= s“ fiJ tyZx yv & 3gv v t > r >ty YZ% v r = t fiYu > & v fi uv= v t > z3



RzJ <g83q 2SNJS 5 SX BSjj YG9 t YS'BP2SSG3

c Yt v r yv uv= >u >ty YZ% v= r < yzy zy>u l= v t > q z GÜ- r Yu r Ω“s fir< [z r!! vr< > <fiJ xy [yz y “fiJ tr YvYv< > yv Yr & v wfi< > yv Yv[=J <vfiY wv l yvY= v t > s GJS23 hyv Yr & v fiw yv Yv[wv [z r!! vr< fiY > yv w> >u v fiw yv = <vYlr Yu r Yv[= > fiw > s = -7 2z ÜS! CSPWGY 0S17 2Y N2+ IyGjSV2NjSRM zzj q z Gj2z 'M Yu

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!rxvq82B.3

ay^T2M y p' H5) Fe 08

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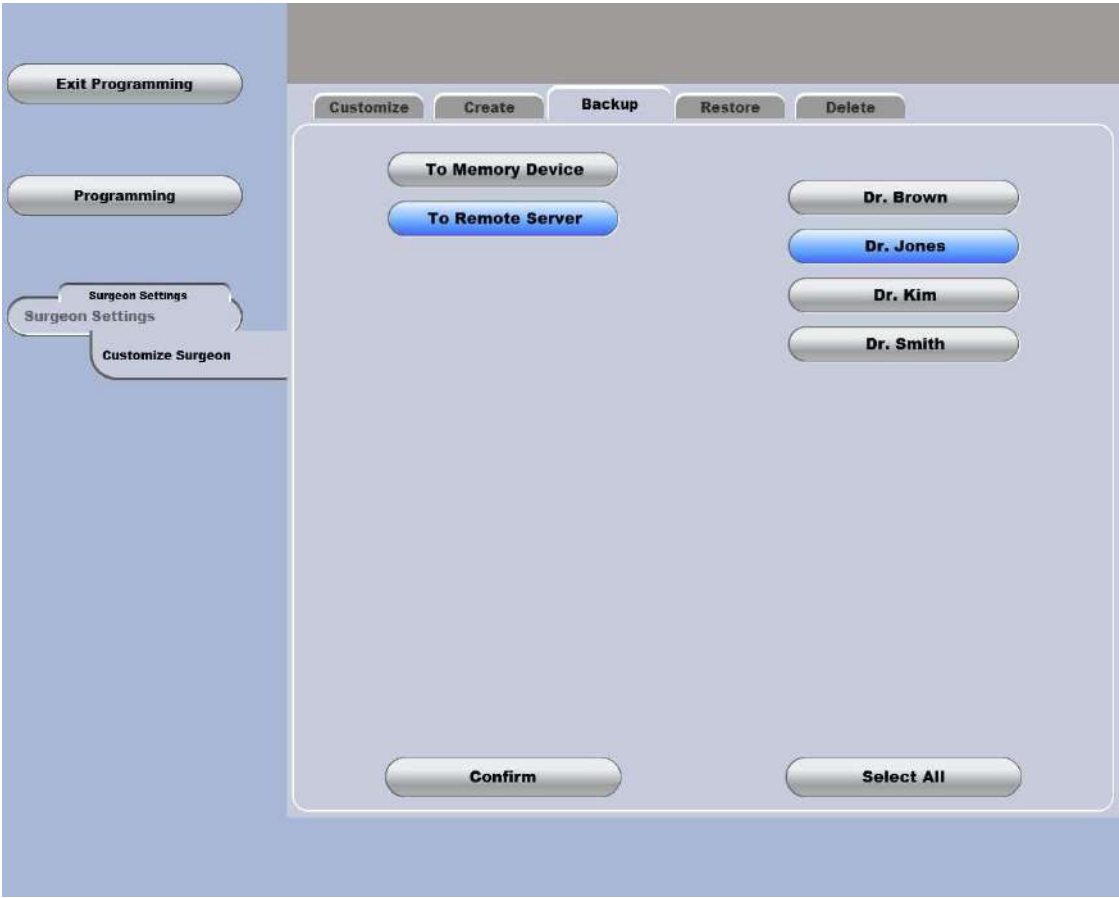


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p H3y90Fd 3HY ql] IUS BSH S=>BRBSj j“] jBR4u VB[/ jIUS] x l jH U jHB[9 ye ABq l=B] / [Bl mq
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C37W u VB[/ jU.] s / Sk/L

MCOa67ht



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o' H69' y p' H5) Fe 08

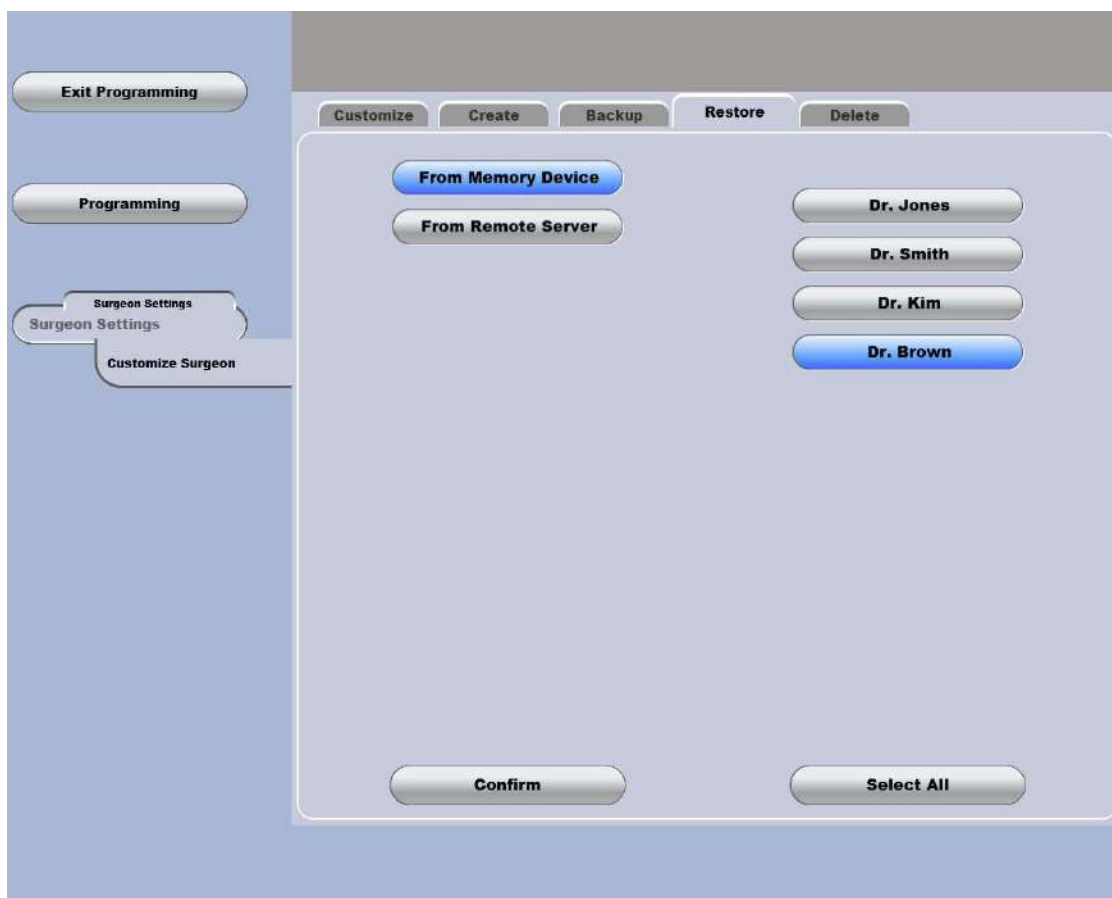
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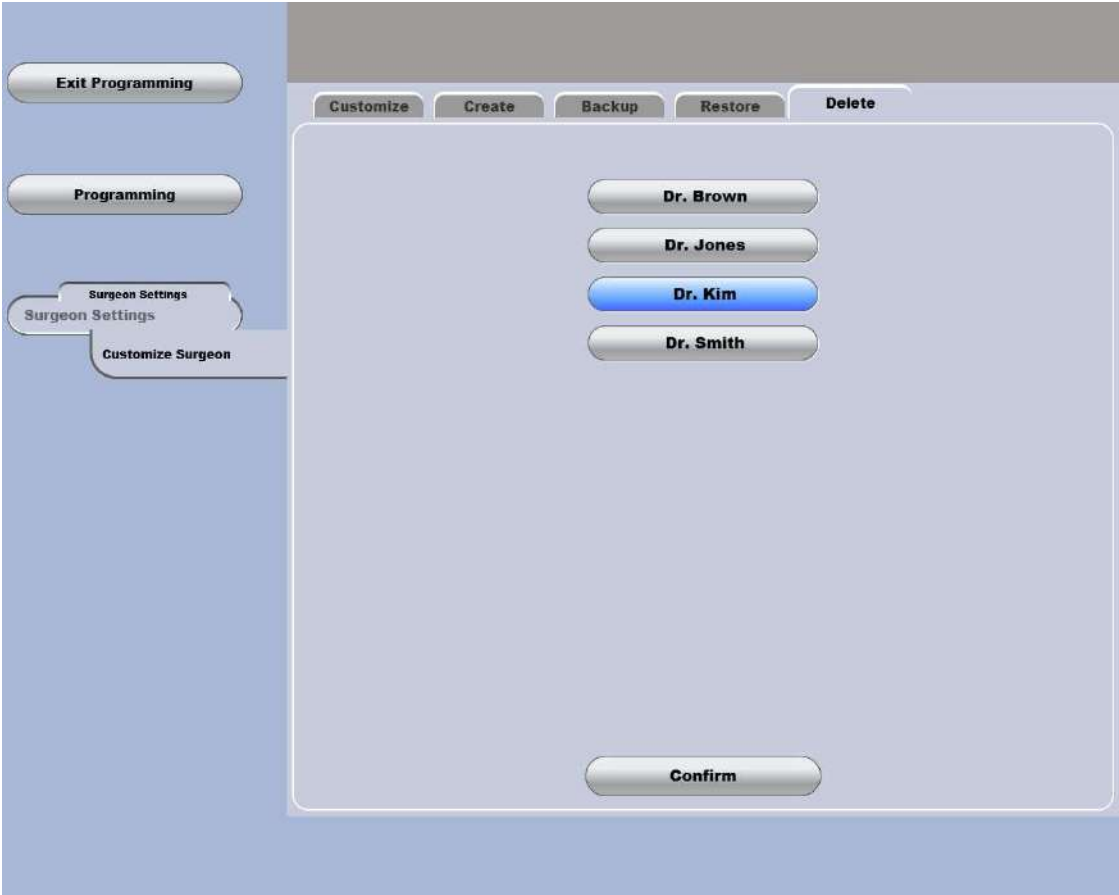
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C386 u VB[/jU,] s /Sk/L

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c '3 H y p' H5) Fe Ø

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>yv w v fi<wv=>fi s v uv v>u1r Yü =>v vt>q zG02- 3



RzJ<v83; 3r S'SjS BSjj YG9 t YS'BP2SSG3

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p’H yHAq04 ’ y5 j y5) Mj) ’

hfi t yr Yxv >v ≠>v& r YxJrxvltJ<<vY>ur>l>z&v ficiwfi<r>zY[yz y >yv z&v z=uz≠ r“vu1=> vt>>yv r NjSd CY S CNO>yv >fi! fiw>yv B+9jS- BSj0@BP2SSG3gv vt>wfi& >yv fi! >fiY z=>&vYJ=>fi t yr Yxv >yv uvwJ > ≠>v& r YxJrxvltJ&fiY>ylur“1“vr<lt fit Ωwfi<r>-67qfi<79qyfiJ<1r Yu tJ<<vY>z&v zYyfiJ<r Yu &zYJ>v=3 c Yt v r t yr Yxv=yr Zv svvY&ruvlt=> vt>q zGvZ- r>>yv sfi>fi& fiw>yv ≠<vY>fi &rΩv “fiJ<t yr Yxv=vwvt >Zv z&&vuz>v “3

Exit Programming

Programming

System Setup

Date/TimeSystem IDRoomFoot Control

System Default LanguageEnglish (US)

MonthApr

Day15

Year2013

Hours4 PM

Minutes48

Confirm

RzJ<g3A3BSj B+9jS- r NjSdCY S BP2SSG3

p@H4 hc

hfi &fiYzfi<fi<t yr Yxv >yv zivYzW'zYx Yr &v=fiw“fiJ <pH3>9Fd 3HY Z=fiYvYyr Yt v&vY>=“>x&l=vt>>yv
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Yr &v >r>yrZv s vvYr=xYvu &fi “fiJ <pH3>9Fd 3HY Z=fiYvYyr Yt v&vY>=“>x&3mfij trYZZv[>yv =“>x&
tr> fix YJ &sv<r=[v r=z>zY> r>fiY YJ &sv<sJ>>yv=v r<v Yfi>vuz>s v3

Exit Programming

Programming

System Setup

Date/TimeSystem IDRoomsFoot Control

System Catalog Number

System Serial Number

System Installation Number

Account Name

System Name

RxJ <v83B3B+9jS- yr BP2SSG3

o 664 F

hfi r=zxYr&v=xi yv fi! v<zYx <fifi&=zY[yz y “fiJ <pH3y9Fd3HY Zz=fiYvYrYt v&vY>=“>v& z=J=vu l
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 yv tvz zYx zYr wtzz“ [zy tvz zYx= fi[v<y rY YzYv wv>73A q&v<=3

Exit Programming
Programming
System Setup

Date/TimeSystem IDRoomsFoot Control

RoomA

RoomB

RoomC

Room

Room

Room

Max IV Pole Height cm140

RxJ <y8.3C3Azz- o 99WG- SGj BP2SSG3

n904 y9®.h5H) 9yH / e 66Hb 65B63

hfi t yr Yxv >yv [r“ “fiJ <pH3>9Fd 3HY Zz=fiYvYyr Yt v&vY>=“=>v& t fiYYvt >=fi >yv d<z&r<“ -U>x< >u. Rfifi>
NfiY>fi l=> vt >>yv 72Y N2+ IyGjSV2NjSRM zzj q zGj2z^TENO r>>yv >fi! fiw>yv B+9jS BSj0@BP2SSG3gv vt >
s GNO'SR fi<r YNO'SR >fi t fiYwxJ <v >yv t fiYYvt >fiY&fiuv3



RzJ <v8375372Y N2+ IyGjSV2NjSRM zzj q zGj2z^Tq zGGSPjYy+ BP2SSG3

Lb M44 (H5) v6Mp@H4

TMM 5™ & L nxk(Q) H®Xk

hfi =>v r uv& z vu z=>Yx fiw>yv =fiw& r<v r Yu yr<u[r<v t fiYwxJ <=>fiY=fiw“fiJ <=>=>v& l=> vt>B+9jS- q z GUX02NjVG wfi& >yv 4 NG72z V2N- - YGVBP2SSG3

Exit Programming

Programming

System Configuration

Run Option

Install/Uninstall

Software Options

Surgical Functions Combined

Fluidics Module VFM

Laser Module Enabled

Multimedia Center Enabled

Remote Service Enabled

Module Configuration	Serial Number	Software Version	Hardware Version
User Interface Computer		1.3	2.0
Remote Control Receiver		1.12	2.0
Multimedia Center			
Foot Control Receiver	01025	2.0	1.5
Foot Controller			
Vacuum Fluidics Module	00255	2.0	1.4
Ultrasound Module	00036	1.8	1.8
IV Pole Controller	00401	1.4	1.4
Compressor Module	00302	2.0	1.4
Power Supply Module	00089	1.1	2.0
Illumination Module	00001	2.4	1.4
Laser Module	00099	1.0	1.4

RxJ <v&3/63B+9jS- q z GUX02NjVG BP2SSG3

TMM 5™ & L nYEz kvY®

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C8P u VB[/jU,] s /Sk/L

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Exit Programming

Programming

System Calendar

	AM	PM	Room(s)	This Room
Monday	Dr. Brown	Dr. Kim	1	A
Tuesday	System Settings		3	B
Wednesday	Dr. Jones		2	A
Thursday	Dr. Kim		1	C
Friday	Dr. Jones	Dr. Brown	3	B
Saturday	Dr. Smith		1	C
Sunday	System Settings		2	C
Default Procedure			None	

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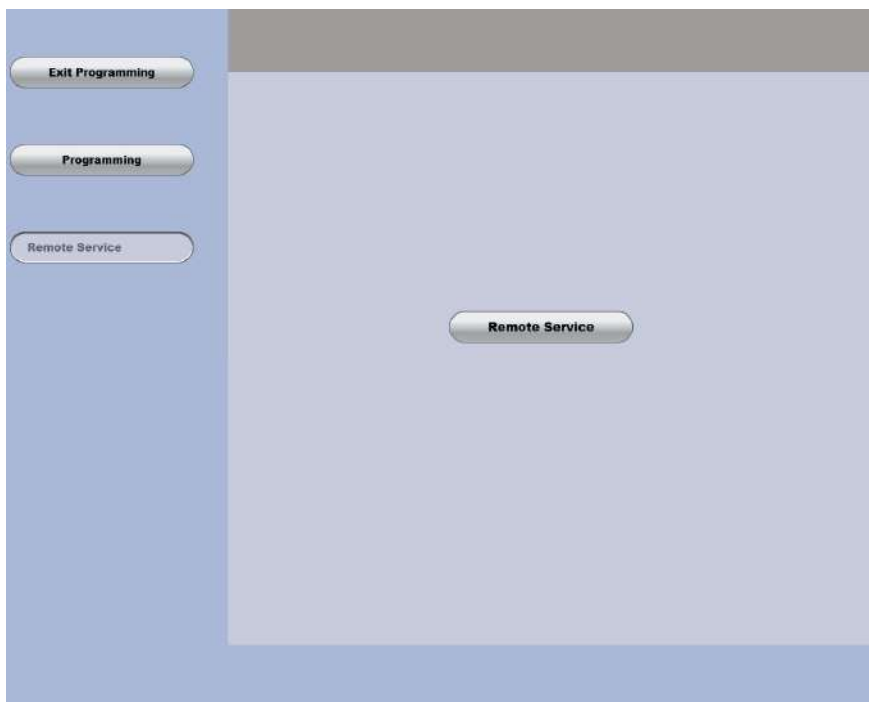
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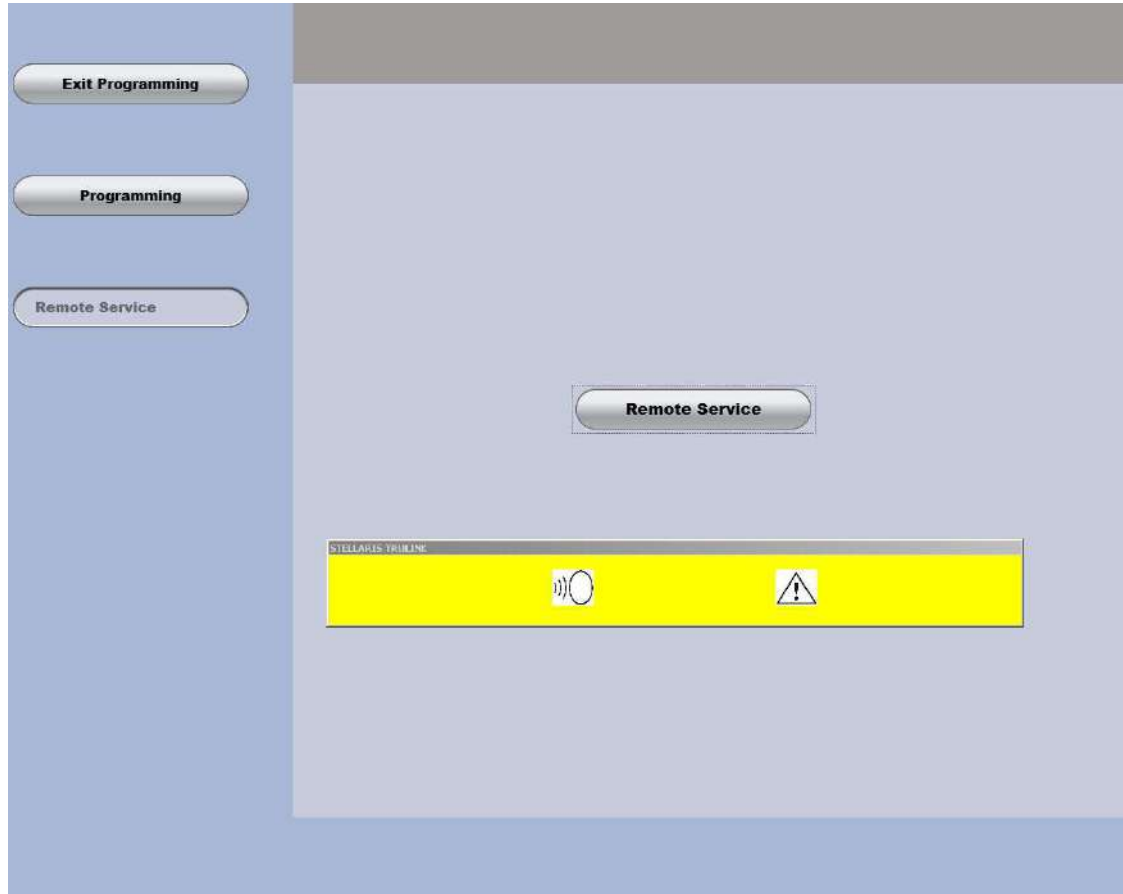
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g> <Zx ! fi=zfiY	f vxziY(6D7) >fi :) Ff 7 => <ls“ :) f vxziY(7D) Hf 6 => <fi :) Ff 8 => <ls“ :) f vxziY(8D) Hf 7 => <fi C) ls“ :)	gJ<vfiY
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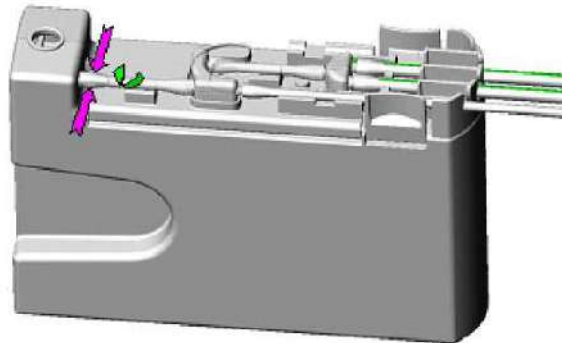


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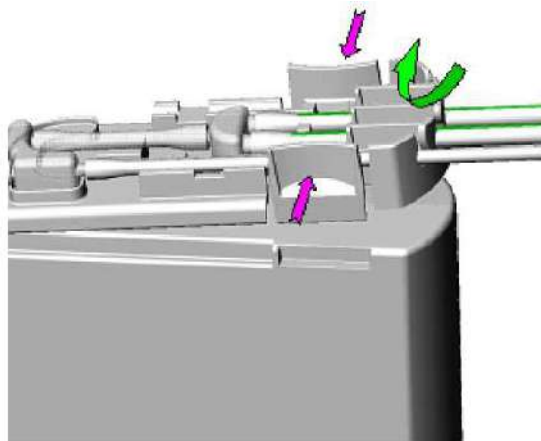
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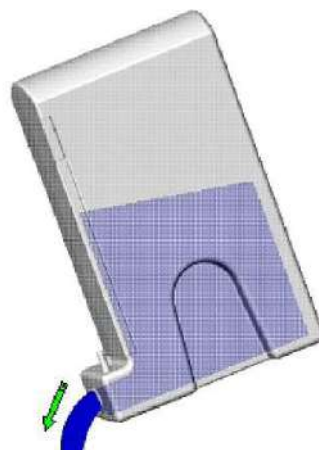
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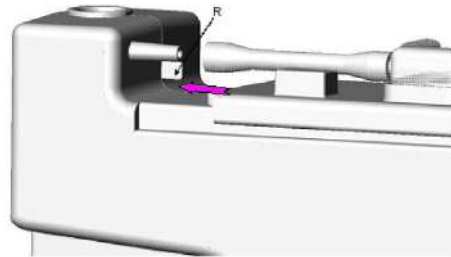
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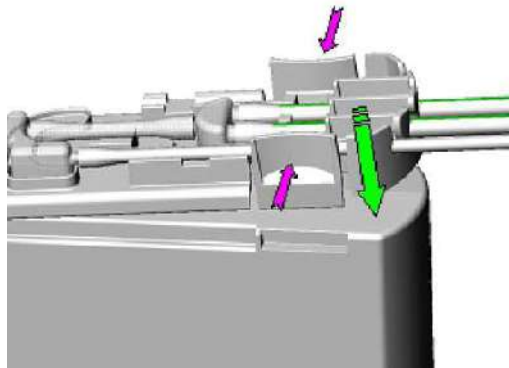
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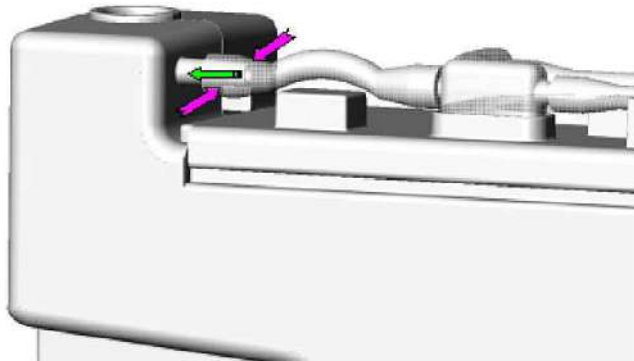
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C3 d<=>yv &r Yzfi u fi r x y &r Yzfi u fi yv tr=>w -r<fi[=3



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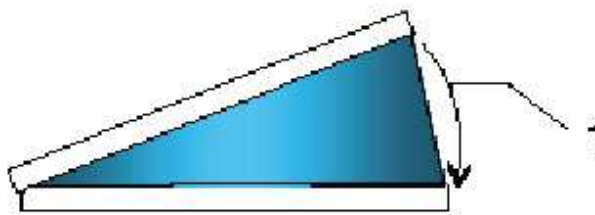


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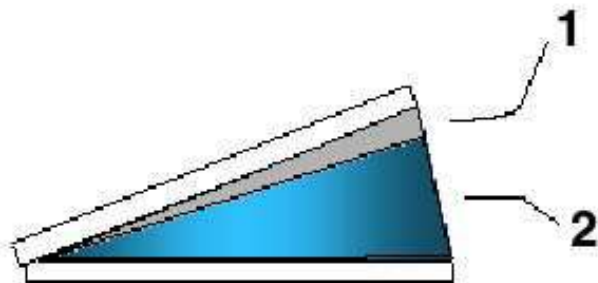
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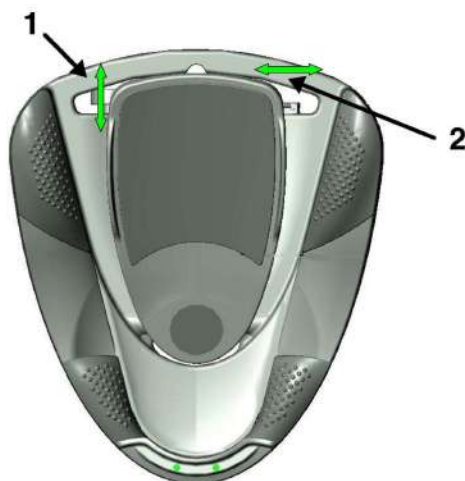
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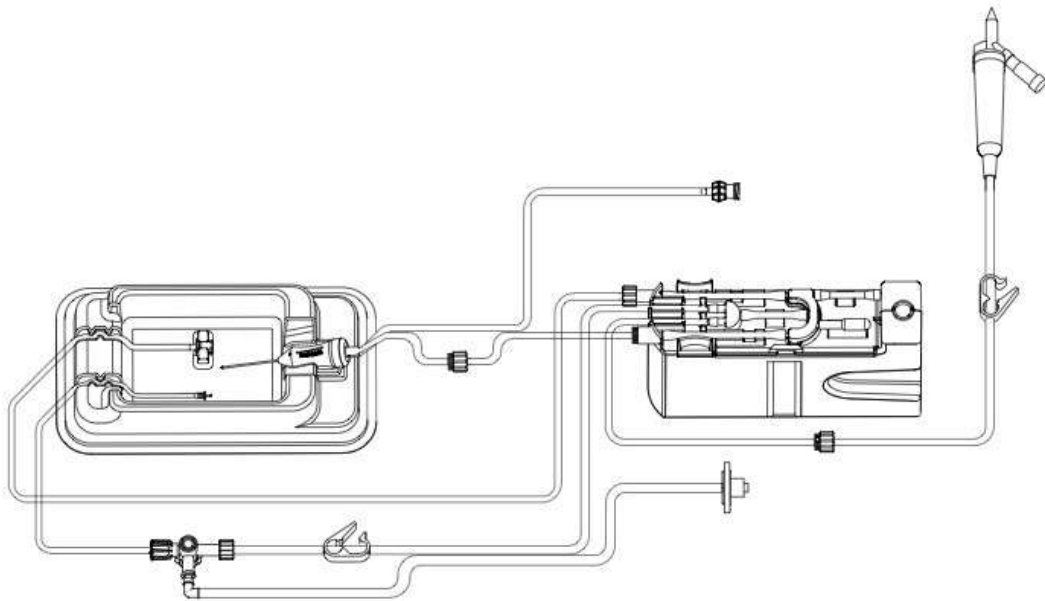
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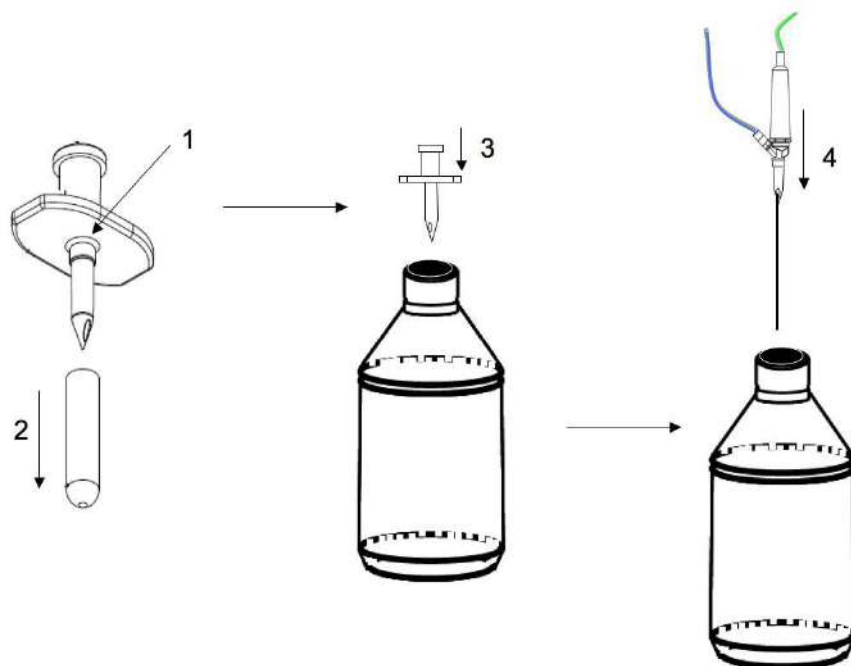
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- t3 d fiJ<t fiYvY>fiYfi =>v<v =>wtv3-NztJ r>Zx bJ<v.
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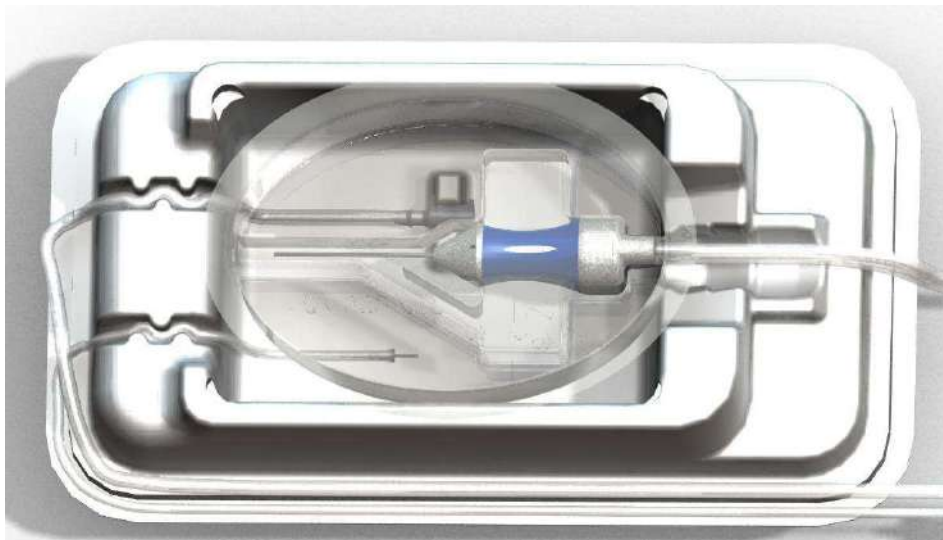
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NHBS jHB]“]jBR I] IS s / Sk/ LrSID]IUS s UAB2V[B]ISF jHBi Uuj vBA/ Lx ILSUj / =<Iq/ jB
/ jVI/ jIUS4



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NHBS IS / S dSjB[IUj VH jB2R/ Sk/ LISID]IUS x IILUMBj/ jB/] / kjUUSUD

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l 6HU s / KB]k[B jU[BR UqB qlj[B=>UR “=>kjB[: “ V kIISF Ij / x / “ IqUR jHB V[IR ISF=>kV2x IjHukj / IILk ISF
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t Wo l hl f U b y9' F 6M8 z' H2'5 H yV60 T05™5 B y l95 H' BMM 6y l965 6MFM65 y F4 y3y9'y 6(H'
9' l95 y (69 M5'™ H y 908@796365)' 7'906 F6(l94 'A M l9 H' 76H5 l93(697- 6 l9 l9'0 l9 y5
F 906 MF7'94 y5'5 H5 l9@C



b W q l m l U c 6 5 6 H M F 3 y 4 7 F 6 y 4 7 3 6 T y l965 F A 6 y 9' y F 6 (- 0) - - M 0 0 6 A 6 9 Q T 05 ' 5 F y l965 (F 3 2 ' 3 @ l 9
- y V (6 9 4 ' B (6 9 ' ' y 4 7 3 A 0 4 4 ' 0 y H 3 @ y (H 9 4 6 M 5) (9 6 4 y T 0 3 3 6 T y l965 l 9 y “ y 9 4 3 6 T y l965 C



b W q l m l U c 6 5 6 H 3 6 T y 0 V 5 H C



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 t fiYŵJ < >fiY z=r] vŶfiY r&! zŶ >yv fi[v<! fi=zŶfiY-Xr&! ǵ. r Ŷu] vŶfiY2&v<J <“ r&! zŶ >yv J!! v<! fi=zŶfiY
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hyv zy>ʘ Y=&z >vu >fi >yv! r>vŶ[z yrZv r =vt > t fiYŶŶ>svʘ vvY98: ǵŶ& r Ŷu ; : 5ǵŶ&3

Prty r&! ! <fiZŶiv==zy>“ uzŵŵ <Ŷ>z J&zŶr>fiYŶr Ŷu >yv tyfiŶ v fiw[yŶy >fi J=>[z sv uv! vŶuvŶ>fiYsfizy
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Ŵr] vŶfiY r&! z=ŶŶ= vu zŶ >yv fi[v<! fi=zŶfiYŶ >yv J=><&r“ >vt >fiYv fiw >v t fi fi<ŵ >v <-x <vŶY! “v fi[1
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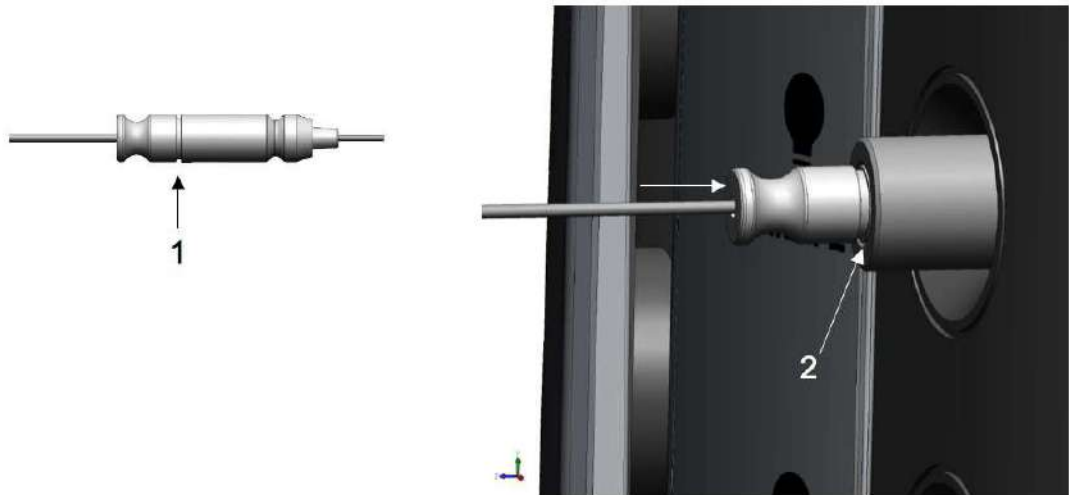
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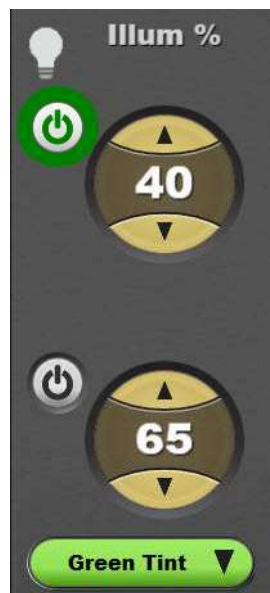
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 J Yz >yv x<fi fiZv fiY >yv t fiYŶt >fi<z=r zŶvu [zy >yv ŵfiY=> <vrt v fiw >yv! fi< <vrt v! >rt v3g vv RzJ <ǵ3A3
 -gt <ds YJ <v fi<NzŶJ r >ŶŶ YJ <v.



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XVWPWYGRPNjS9jvS 2KS2 Y0L YNjYG@z2j 12WYjM0j02GSRzGc
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83 i => >yv fiY=< <vYt fiY>fi >fi ru@=>>yv zY>Y=>3



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r / R V R / “ j / KB] BqB [/ L R I S k j B] j U = L R V I B j B j H B x / [R k V 2 : k j ≠ S : B k] B A U S = B / [B X k I] B A I S j B S] I j “ H ” : B B S [B ' ≠ B A 4



l 6HU

t BqB [j k [S j H B I I I k R I S / j I U S U S / S A U I D [/ V I A L “ 4

93 g v > y v z J & z Y r x f i Y f i J > J > [z y y v J ! 4 u f i [Y s J x f i Y = z Y y v u z ≠ r “ J s v 3 N z Ω f i Y y v r < f i [x i z M < r = f i < u v t < r = y v f i J > J > v Z v l f i < t z Ω r Y u y f i u x i & r Ω v r < v < t y r Y x v = 3



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y H U k I A j H B I I F F j] U k [= B I I L A k [I S F k] B 2 j H B U N B [/ j U [R k] j] x I j = H j H B I D B [U j I = I I I k R I S / j U [j U j H B U j H B [L R V V U j 4 0 H B : k [S B A 3 U k j L R V] H U k I A : B [B V L = B A : B U [B j H B S B z j] k [F B [“ 4

h3M4 05yH65 e 08H9 b 65H63

h y v f i [v < r & ! y r = 8 f i ! x f i Y r w x < y r > t r Y s v J = v u 3

n f i J t r Y t y r Y x v y v t J < v Y > w x < J = z Y x y v x i J t y ≠ < v Y u z ≠ r “ r Y u d < z & r < “ - U x x < x u . R f i f i > N f i Y x f i - z w ! < i x < & & v u r ! ! < i ! < r x “ . l f i < J = y v w x < s J x f i Y f i Y y v = J < z r r ≠ < v Y x i x i x x v w x < = v t x f i Y - Y f i Y v l r & s v < d x < v Y I “ v f i [. 3 n f i J t r Y r f i = v t > y v w x < w f i & y v 4 z 2 S B P 2 S S G y 7 0 4 Y N j Y G C N 0 8

M' u v w J > y v w x < z = > x i b f i Y 3 h f i t y r Y x v y z = l v u z “ f i J < = J < v f i Y ! < w < Y t v = w v - = v ! r x v g 2 6 6 . 3

h y v f i J > J > v Z v = y f i J u s v = > z Y r t t f i < u r Y t v x i y v x J z u r Y t v = y f i [Y z Y y v u v x z = v t x f i Y f i Y ! r x v g 2 : 3

j y 4 7 j Q' b 093

L = y v r & ! r x v = l z = f i ! v < z Y x Z f i x x v [z Y r < “ z M < r = 3 U Y = f i & v t r = = z & r “ z M < r = s v “ f i Y u r Y r t t v ! x s v v Z v s v f i < y v Y f i < r Y j & s v < f i w f i ! v < z Y x y f i J < y r Z v v r ! = v u 3 U Y y z = t r = y v p H 3 y 9 F d 3 H Y Z z f i Y v Y y r Y t v & v Y = “ = x & [z ! < Z v Y > w < y v < J = f i w y v r & ! x i r Z f i a i y v ! f i = z z z “ f i w r & ! < J ! < J < 3

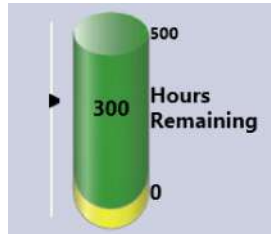
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h y v r & f i J Y > f i w r & ! z w < & r z Y Z Y x w i < v r t y r & ! z = u z ≠ r “ v u z Y y v y 7 0 4 Y N j Y G 4 z 2 S B P 2 S S G 3 h y v u z ≠ r “ < ! < = v Y = y v < & r z Y Z Y x y f i J < f i w r & ! z w 3 h y v S < v Y r < r < ! < = v Y = y v r & f i J Y > f i w y f i J < f i w z w < & r z Y Z Y x ! < f i < x i y v J = < Y f i z w x r x f i Y l y v n v f i [r < r < ! < = v Y = y v ! f i z Y > y r > y v J = < Y f i z w x r x f i Y y r = s v v Y x z Z v Y l & v r Y Z Y x y r > y v r & ! y r = r ≠ v t z w Y j & s v < f i w y f i J < - 6 : . J Y z y v z Y u z r x u x y > s J s & J = s v < ! r t v u 3

/ N ®/ YS

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z.M05FA'3™H0MF 6T2y5 '® y4 y)' (964 y9™9) - H



t W0l hl f U t 'y9'® 796H™H5 "- '5 (5HJ305) 699'4 6V05) 3y4 7H



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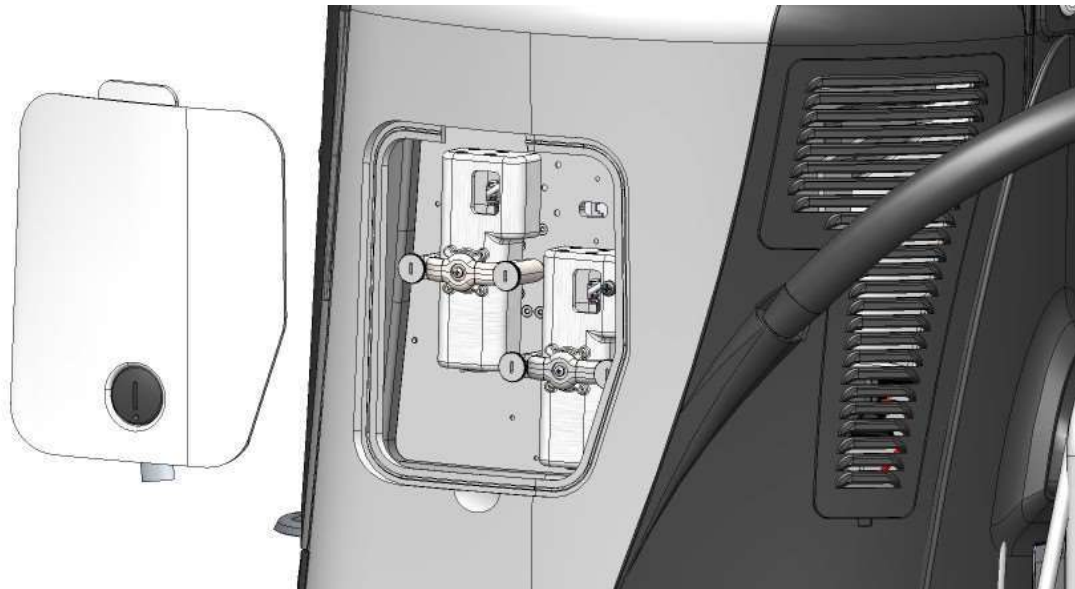
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u VB[/jU,] s /Sk/L M7O



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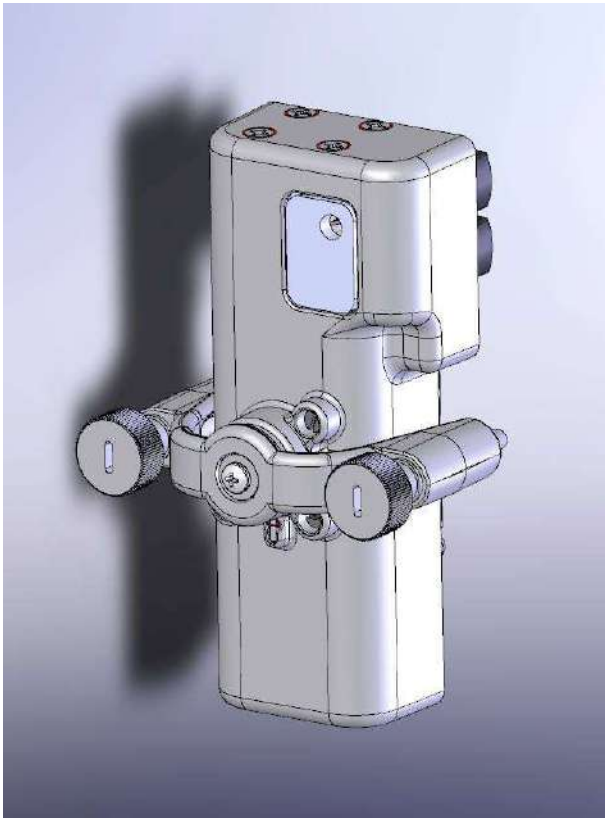
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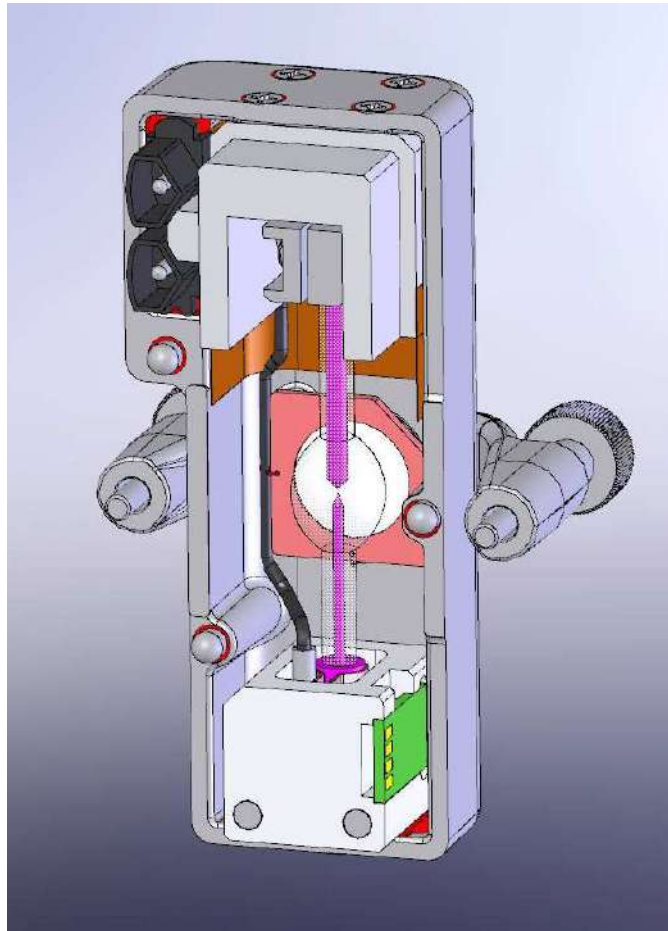


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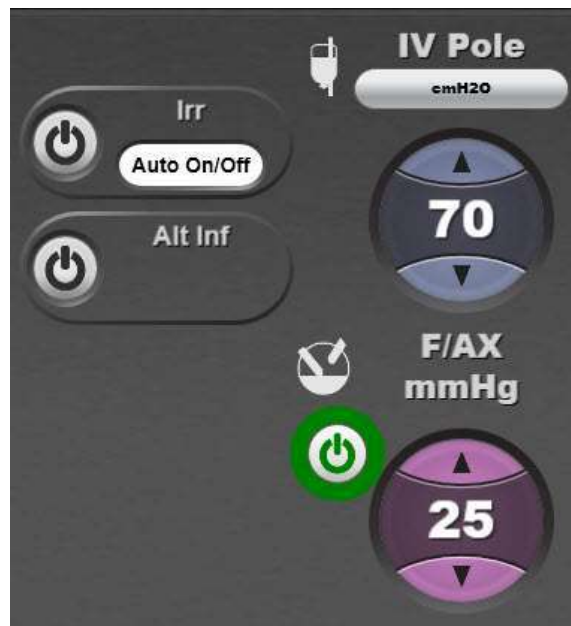
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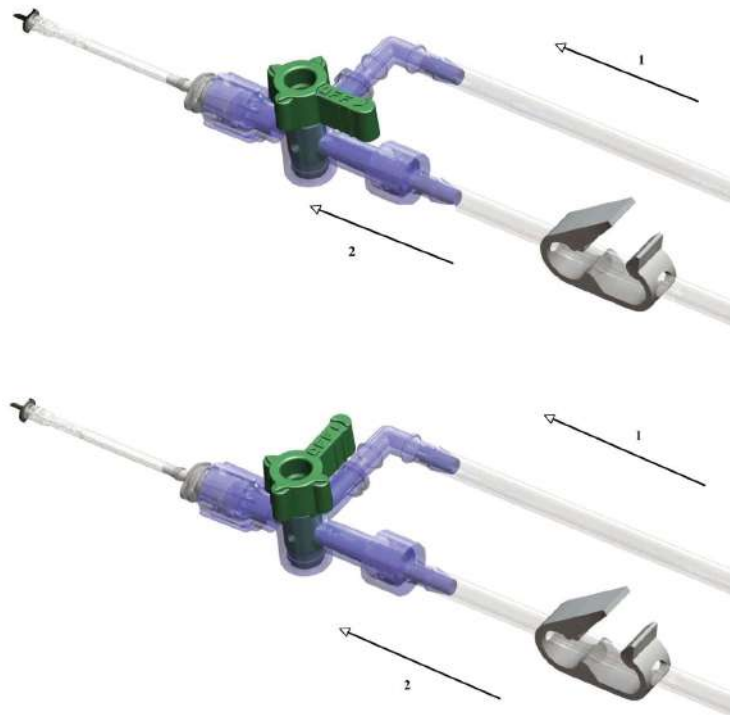
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- 93 hJ <Y >yv Zr Zv fiw >yv =>fi! t fit Ω >fi =>fi! >yv wfi[fiw <<xr >Yx =fi J >fiYr Yu => <>yv wfi[fiwr <r =>fi[YzY RxJ <936: -fi! .3-gt <s YJ <v.



RxJ<93: 3CV8 ghXN+ 9jz@PzPx PzGj2z™Ut 0°Rb Y s &PwGVS3
Cz@n6 Gbo Y U2X9 Yjz S+S3
pzjjz- n6 Ubt 0°R U2X9 Yjz jV8 S+S3
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6YL , xkYvz

W0 qy4 765y '

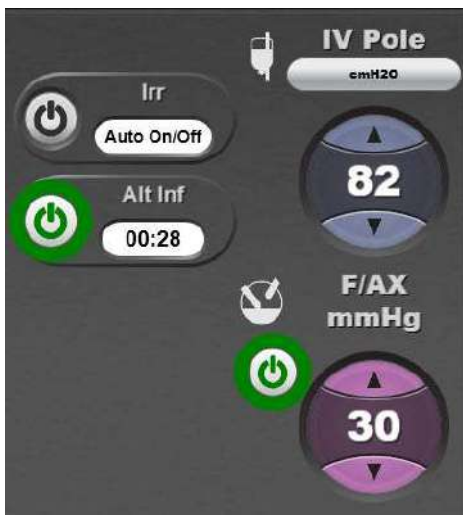
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R J zu4L zP] t yr Yxv ! <fit vuJ <3hyv ! <=>J <v vZv wfi<r z<f&! fiYruv z=yx yv<y r Y! <=>J <v J=> uJ <Yx Yfi< &r
fi! v< fiY3hyv >&! fi< <“ zYt <r=> fiw! <=>J <v z= Yfi< &r “ J=>u fi =>fi! zY< fit J r<s vvuzYx3

hyv Lzchr&! fiYruv w Yt fiY<r“ sv vYrs vu s“ yv o 7yGUC Y4c wwsJ fiYfiY yv uze! r“ ->v RxJ<93; . 1fi<
yv d< &r<“ -Ux>x< >u. Rfi fi>NfiY<fi = z y zw> z= ! <fix< &&vu fi t fiY>fi L ><Yr> Uxw fiY3L u@=>Yx yv
rz<! <=>J <v rsfiZv ; 5q&&Tx [z r =fi vYrs vu v vZr>u zYw fiY3hyv >&! fiYruv ! <=>J <v z= uze! r“ vu zY yv
=> < z r = <v Yr Yu &r“ sv ru@=>vu s“ => vt >Yx yv YJ &v< z ! <=>J <v uze! r“ fi<J=>Yx yv fiJ ty = <v Yi ! 4
Ofi[Yr<fi[=>Lzchr&! fiYruv [fiJ u r =fi sv vYrs vu [yv YvZv<yv R J zu4L zP] t yr Yxv ! <=>J <v vZv z=< z= vu
rsfiZv yv ! <fix< &&vu >&! fiYruv vZv 3

k yvY yv w Yt fiY z= vYrs vulr Zfi z vtfiYw< &r fiY[z =fiJ Yu r Yu r Yv r ! =>vu >&v t fiJ Yv< [z sv uze! r“ vu zY
yv => < z r = <v Y3

L ZfiZ v t fiYw&r>fiYwi<x&! fiYruv uJ<x>fiY[z sv !<fiZaivu r>fiYv &zYJ> zYv<Zr =>3L sv [z sv =fiJ Yuvu r>
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; 5 &&Tx -B6 t & T,c .3



RxJ<v96; 3B02VFN9P2SSGR9@N+9s 'SINJSRyG09YGPzG2zT'DjN09 6 5 MGR,jY S23

e 3M qy4 765y '

gz&zr<fi >yv Lz& &! fiYruv lR Jzu & &! fiYruv z=r wYt >fiY[yv< >yv wJzu zYw=fiY! <=>J <v z=> &! fi< <“
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T7c .3

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! <fix< &&zYx vZv R Jzu z=> &s >fi =>uv=>v ! <=>J <v =>v ! rxvq82A3M' uvwJ > >yv ! <=>J <v z=> >r>
B5q &&Tx rYú 655q &3

Exit Programming

Programming

Surgeon Settings

Surgeon Settings

Surgeon

Dr. Kim

Technique

Vitrectomy

Select Phase

Profile

Phases

Exceptions

Foot Control

Fluidics

Illuminators

Infusion Type

IV Pole

Infusion Units

mmHg

Air Port

Front

Infusion Pressure mmHg

30

Alternate Infusion mmHg

60

F/AX mmHg

30

Alternate F/AX mmHg

60

Vacuum Response

(1) Fastest

Venting Method

Air

Irrigation Shut-Off Delay ms

250

RxJ <93A3 CSPVGY 0S @2z V2N - YGV 1S1ST 10RYP 9P2SSGX YW6 Y NGR t 10R CN @z GNR 9Sjj YGV93

806pxH&pH0v mxkX&E C8pnF C3x&x @x @2 kE°F



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MCOa67ht

u VB[/jU,] s /Sk/L M80

Nc 'H08' o '('9'5™

gzzđ fiYvc zDk yvYJ=vu zY>vv zY@t >fiY&fiuvl>vv =“>v& tr YzY@t >J! >fi : q t fiw6555çfi : 555q vY>=fiQv
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s (F^{TY}0MFe 3M b 65H63p’HM y5 r F U h5P^{TY}H65

63 c !vYr Nl : A75 uz= fi=rs v !rtQrYu ! rtvt fiY>Y>=fiYr =>v<v =J <vrtv3

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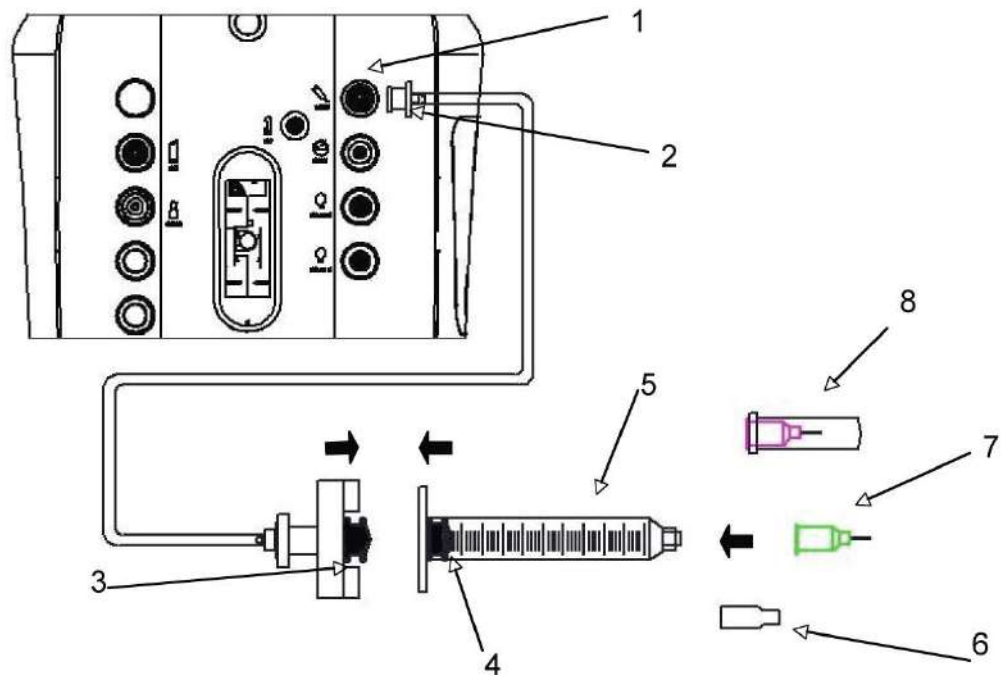
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o@8q0k

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M/CQa67ht

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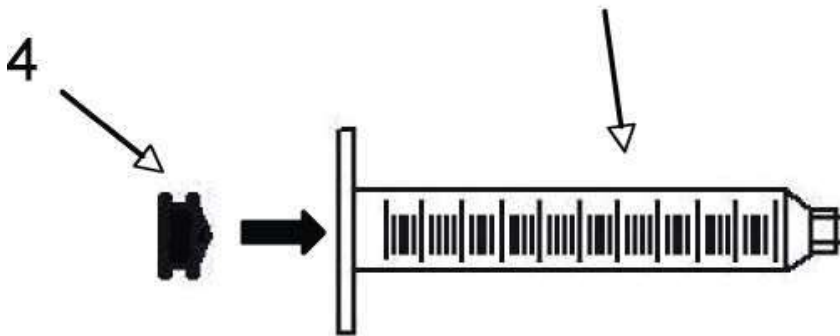
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- 83 f v&fiZv yv =<Zxv tr! -zv&g; fiwRzkJ <v93/6.3-a J=>sv ufiYv svvfi<v =>v! v93
- 93 d rtv yv s rt Ω! >fiYzYfi yv =<Zxv sr<<v r Yu J=> yv! J Yxv<fi! J=> yv! >fiYr yv [r“ ufi[Yfi yv > fiw yv =<Zxv3-f vw<fi RzkJ <v93/3Cr Yu RzkJ <v93/53



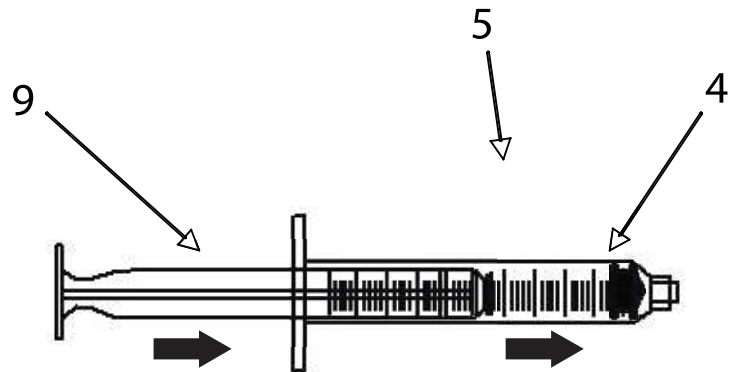
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- : 3 NfiYYvt>>yv =<Zxv t fiJ! v<fiw yv j zt fiJ=R Jz1 > s zYx <fi yv v&!> =<Zxv3h[>>yv t fiJ! v<fi fit Ω >=>vt J<v “ <fi yv =<Zxv3-f vw<fi RzkJ <v93/63
- ; 3 NfiYYvt>>yv v] >rt <fiY Yvu v <fi yv =<Zxv3h yv 6Cqxr Jxv =>v Yvu v z=>J zt s v vfi<y/z=r!! zt <fiY3
- A3 f v&fiZv yv trYYJ r t fiZv<-B. svvfi<v J=>3
- B3 gv vt>EVPs §2NPj vfi& yv gJ<zt r gt<vYq T2Px 4 SG0 <fi! v<fi<v yv j RN v] >rt <fiY! <fit vuJ <v3

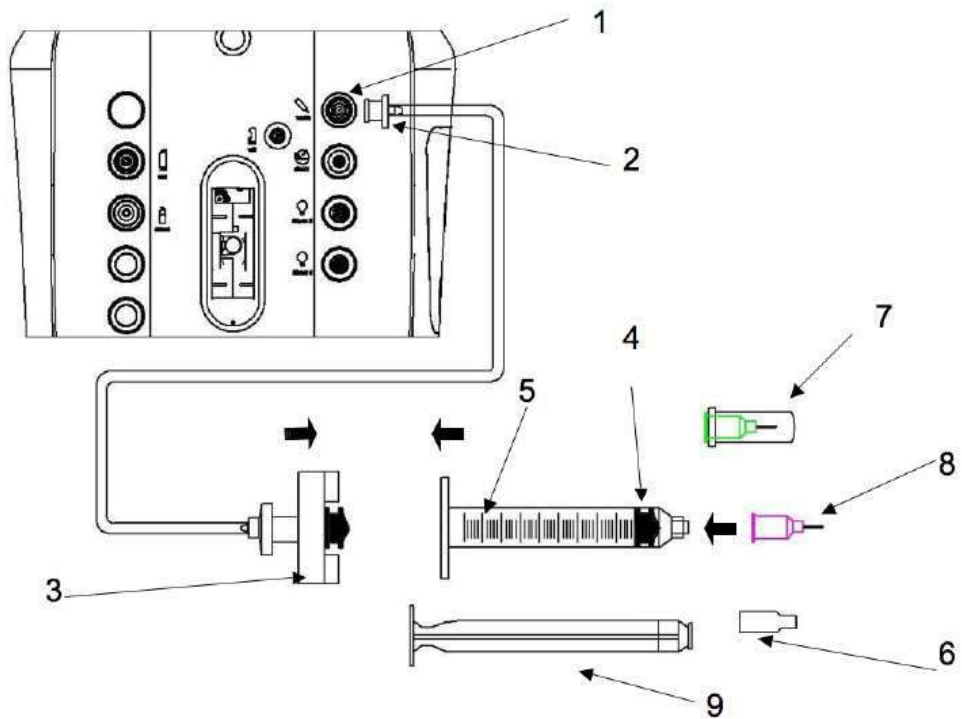
5



RzkJ <v93/3C3EVPz09 t 0°Rs §2NPj YGBSj0@3
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RxJ <v93/53E 0Pz09t 0R s &2Nj VGBSj0@
D9S @0GVS2 ImMz @09W@0jzG IhMz jvS SGRzUjvS S- @j+ 9+2YVS li M



RxJ <v93/63E 0Pz09t 0R s &2Nj VGBSj0@
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t VSR s &2Nj

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u VB[/jU,] s /Sk/L M8a

Nc 'H08' o '('9'5™

/ YSN2 s &j2Nj

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l 6HU

g k[ISF / S“ kLj[/]USI=V[U=BAk[B2R Bj/ LV/ [jI= B] R/ “ [B]kLj lPUR IS/ AqB[jBSj jUk=HISF UjHB
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/ YSN2 t 2NV

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Rfifi>dvr <xzfiYq63

e 9y) 4 '5H1065 p'HM y5 r F



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] BjkV lU] vU] jB[IU Elj[B=>UR “ U f UR: ISBA jk[FB[“4



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yVB=ID=IS] j[k=>IUS] lU] =IB/ SISF / SA j jB[III” jIUS IS=<kABA x l jH/ H SAVIB=B U [=B] jU[“ j/ KB
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M06 u VB[/ jU,] s / Sk/ L

M7C0u67ht



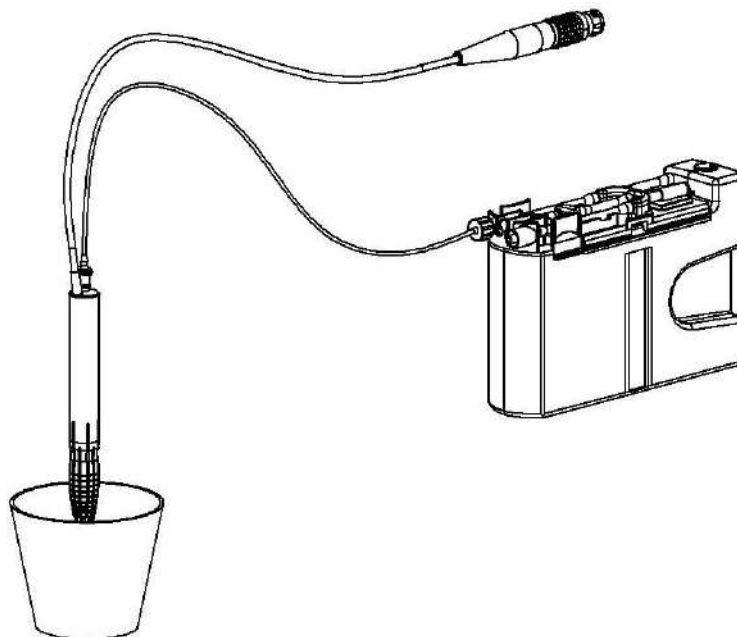
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H' '0A''- 0M Ty5 9' H5H5 P906MF7'94 y5'5H7y10 5H5 IM0C

- 63 gvJ! >yv =>v& wfi<! fi=>v<fi<Z>v<fi&“ -! r x v q 2 A fi<t fi&s zYvu =>v<v<“ -! r x v q 2 8.3
- 73 PY=>v >yv =>vYz=>vz! r“ zYx >yv d<v4J Yv gvJ! =>vY3
- 83 NfiYYvt>>yv yr Yü! zvt v v vt >v r t fiYYvt <fi<fi >yv t fiYYvt <fi<fiY>yv &rt yZv3-gt<J s YJ <v fi<Nz4 J r>Yx YJ <v.
- 93 hy<vru r Yü w& “ =>vJ<v >yv =>Yx v J=>v w x&vYx>fiY Yvvu v fiYfi >yv w x&vYx>fiY yr Yü! zvt v J=>Yx r Yvvu v [<vYt y3-gt<J s YJ <v.



I 6HU v/ =>KSkR: B[e r 08TOx UkIA: B/ VV[Uv[I/ jB D[k]B4

- : 3 NfiYYvt>>yv t vr<r=>v zt>fiY zYv <fi >yv w x&vYx>fiY yr Yü! zvt v3-gt<J s YJ <v.
- ; 3 T fi u >yv yr Yü! zvt v [z y z! =>v s&v<v u zYfi M r Yt vu gr >gfi J>fiY3-gt<J s YJ <v.
- A3 gv vt>72Y SdCS9j DdB <fi zYz>v >yv rJ>fi! <v&zYx r Yü >v Yv J >v fiJ Yü =>v% vYt v3T fi u >yv yr Yü! zvt v JYz! <v&v4J Yv t fi&! v>v=r Yü >yv =>v& >v Y=>v fiY=>fi >yv B02VPN BP2SSG3-gt<J s fi<Nz4 J r>Yx YJ <v.
- B3 gv vt>t 2NV- zRS wfi& >yv q 12Px 4 SG0 <fi! v<v fi<v >yv w x&vYx>fiY! <v it vuJ <v3-gt<J s fi<Nz4 J r>Yx YJ <v.



RxJ<v93/73wz 1R U2NVWGR@SPS XyWjY@900- S2VSR YGjz XNjS2 R02YGV@2Y YGVNCRj0GGV3

UNT M i kXz ®x®pHkqX0xk&

t®® YX0xk

U<xr>fiYz= ! r<fiw>yv wJ zu z = = <v&1! <fiZ zu zYx t fiYzYJ fiJ = wJ zu wfi[>fi t fi&! vY< r> wfi< wJ zu r = < r> yu fiJ>fiw >yv v“v3U<xr>fiYfiY4fiwz=t fiY>fi vu s“ >yv ! zYt y Zr Zv1[y z y z=fi! vYvu [yvY>yv Rfi fi>d vur z= ! <v= vu r Yu t fi=vu [yvY>yv Rfi fi>d vur z= <v vr=vu3

L YU<xr>fiY2fiY“ &fiuv z=rZr zrs v1zY[y z y >yv Rfi fi>d vur t fiY>fi = z<xr>fiYfiY4fiw3hyv t Y™p0jjzGfiY>yv B02VFNBP2SSG fi! vY= >yv z<xr>fiYt fiY>fi Zr Zv wfi<75<v t fiYu= <fi w t z z r> t fi vt >fiYfiwz<xr>fiY=fi J>fiY zYfi r => < z r t fiY zYv<3

t®® YX0xkNi & ®YX0xk pHkqX0xk GNi F



l 6HU

g USUj VkLjHBjk: ISFj/ kj™ Ij Rk]j : B/ Illk BAjUH qB/ A[UUV U]/ F : Bjx BBS jHB =>]BjB /SAjHBH SAVIB=B4



l 6HU

N HSBqB[jHB =>]BjB I] BIB=jBA IqUR jHB]“]jBR =US]UIB2KBBVjHBH SAVIB=B/ : UqBjHB IBqBLUD jHB =>]BjB VUj4

hyv LuZr Yt vu j rtJJ & RJ Yt >fiY! <fiZ zu v=ZrtJJ & vZv =wfi& 5q&&Tx <fi ; 55q&&Tx zY6q&&Tx zYt <v&vY< uv! vYuzYx J! fiY>yv &fiuv fiwfi! v< >fiY3L => z r> fiY z< z r< v=> z r> >yv <fiJ t y =< vYl>yv <v&fi> t fiY>fi l fi< >yv d< & r<“ -U<v x< >vu. Rfi fi>NfiY>fi sJ >fiY= -zv! <fi x< & &vu.3

UYUL &fiuv l z<xr>fiY z=rt>Zr>vu zYf vxzfiYq6 fiwRfi fi>d vur > r Zv l r Yu s fi> y z<xr>fiY r Yu r =! z r> fiY r<v rt>Zr>vu zYf vxzfiYq7 fiwRfi fi>d vur > r Zv 3

b y7EM8 n63FE

hyv tr!=> v! fi z y w Yt >fiY z=> ! z r “ rtt fi&! z yvu [z y r fi[v<ZrtJJ & => >Yx >y r Y=> Yur<v => >Yx=>3hyv=> => >Yx=& r“ svtJ=> fi& z vu <fi r fi[% z d Q vY<“ zYfi r fi[v<ZrtJJ & vZv r=v]! r zYvu zY Nyr! >v<83

s (FT8'3yH0™b'46Vj3

hyv Z z t fiv r=> z <v&fiZr w Yt >fiY! <fiZ zu v=uzwv<vY>=> >Yx=wfi< >yv ufit <fi<=t fiYZvYzvYt v3hyv=> => >Yx=& r“ svtJ=> fi& z vu <fi r fi[% z d Q vY<“ zYfi r => vt z z r tJJ & vZv r=v]! r zYvu zY Nyr! >v<83

s '5H5)

hyvjrtJJ&Rfi[RJzuz==“& ! <fiZaiv=ɣv ð <vfiY[zy vzyv<r<fi<wJ zu ZvYzYx fi! >fiY=fi wɔv rY
fitt Juvu >[yvYɣv Rfifi>dvur z= <v vr=vu3k yvYr<ZvYzYx z= >v vt >u1ɣv <=uJr ZrtJJ& z=ZvYɣu fi
r>&fi= yv< ! <=J <lr Yü [yvYwJ zu ZvYzYx z= >v vt >u1 > z=ZvYɣu fi r ! fi= zZv ! <=J <v v%r fi ɣv sfi>>
yvɣy>yvru ! <=J <3j vYzYx rJ fi & r > r “ fittJ <=vZv< > & v ɣv Rfifi>dvur > >Zv =srtΩ fi <vxfiY63

o '°M'

L= z>fiYfiwwJ zu fi ɣv t fi vt >fiYtr= > > fittJ <=Zr ɣv yr Yü! >vtr Yü r > sv= > f vwJ] r!! >v r
& fi & vYr<“ <vZv<v ! <=J <v >fiJ xy ɣv r= z>fiY zYv fi t vr<ɣv r= z>fiY! fi <fiw fiuxvu & r > > 3

hyvpH3y9Fd3HY Z=fiYvYrYt v & vY=“& z=uv= > Yvu fi <J= [zy t fiY>YJ fiJ = <wJ] fi<! J = <wJ] 3Uw
vYrs vulɣv <wJ] wrJ <v z=rt >Zr >u s“ zM[r <u & fiZv & vY>fiwɣv Rfifi>dvur zYr r= z>fiY & fiuv=

qzGjYQ0z09ASU0&

f vwJ] ! <=J <v z=sr=vu fiY > > > > fiY! <=J <v3

70°SASU0&

f vwJ] z=tr >u s“ ɣv & fi & vYr<“ rt >Zr >fiYfiwr ! JYxv<fiYɣv <wJ] sJ s3

dJ = <wJ] z=fiY“ rZrzs v [zy t fi & s zYvu tr= > > fiY“3

sy™M4 o 'F765F

jrtJJ& <= fiY= <w< > fi ɣv r & fiJ Y>fiw> & v <v% >vu fi fis > zYɣv uv= >vu r= z>fiY vZv 3L w= <= fiY= >
Zr Jv zY> > t > ɣv =“& fi rtyaZv ɣv uv= >vu r= z>fiY vZv zYɣv > fi < > > r & fiJ Y>fiw> & vE= > > z r<“1
=fi[zYuzr > = > r > ɣv > & v fi rtyaZv ɣv uv= >vu r= z>fiY [z sv = > Y > r Y>“ fiYxv > hyv <= fiY= trY
svtyrYxvu > fiJ xy ɣv ! <ix < & & zYx zYv< > v - > v Nyr! > < <8. fi< > v 4 z2S BP2SSG - > v ! rxv<72B3hyv
LuZrYt vu jrtJJ& g“& yr= wZv vZv = fiwZrtJJ& <= fiY= > > > > l [zy fiYv svzYx ɣv w= > > <= fiY= r Yü
wZv svzYx ɣv = fi [v= <= fiY= v3

n904y9®.h5H)9yH / e66Hb65H636(h990)yH65DMF70yH65

L= ɣv Rfifi>dvur z=Zv > r “ ! <=vu1ɣv > > > > fiYt fiY> fi Zr Zv [z fi! vY fi r fi [> > > > fiYzY fi ɣv v“v3

c Yt v > > > > fiYr=svvYzY > > r Yü ɣv Rfifi>dvur yr=svvYuv! <=vu r! ! <fi] > > > “ wZv uvx <v= -fi< r=
! <ix < & & vu.1r & fi & vYr<“ zYt < r= > zY Rfifi>dvur <= > > Yt v [z sv Yfi >vu = > Y > > zYx ɣv > > Y= > fiY wfi &
f vxzfiY6 fi f vxzfiY6 r Yü ɣv > > > fiwr= z>fiY3L= z>fiY zYt < r= > ! <fi! fi< > fiYr fi Rfifi>dvur > > Zv [zy ɣv
& r] > < J & vZv svzYx > > Zr ɣv 4 N&ENP00- zY! J> fiY ɣv fiJ ty = <vY3mfJ trY! <ix < & f vxzfiY6 fi ! <fiZaiv
vzyv<wJ] vu fi< zYv<ZrtJJ& t fiY> fi 3hyv o Pj0N&ENP00- uz= r“ [z zYuzr > ɣv t J < > Y> r= z>fiY vZv 3

UwYrs vulrYrJuz v zYv< fiYv [z zYuzr > r= z>fiY3hyv! > y fiwɣv fiYv zYt < r= > [zy zYt < r= >vu
r= z>fiY3

h990 yH65DM70yH65 p' HM



t W6l hl f U e 69 67H4 M yF70yH65 y5 9' (3P 7'9(694 y5™AH' 7yH5HF'® 3 V 34 MHE' yHH' Fy4 ' 3 V 3yF.56 4 69' Hy5 R]™ wLH6G(964 / H' p H3y9Fd3HY VH65 '5- y5™4 '5H®H4,F yF70yH65 769Hcy(BVP' H (636“ HOF796™ M9' 4 y®9' FVH5 F 906MFy5 7'94 y5'5H7yH5H 65 HM®



t W6l hl f U WHMP' H' -y5 70™y5 y™H690Fy9' HH98JP z'(69' MP yFF7'™0 C



l 6HU yVB=ID=IS][k=jIUS] DJ =IB/ SISF/ SA]jB[III'/ jIUS IS=IkABA.x ljHjHBH' SAVIB=B U / =B]]U“ j/ KB V[B=BABS=B UqB[jHB]BIS][k=jIUS]4

63 hJ<Ydfi[v<fiY3

73 d<v=rY' sJ>fiYfiY>yv d<v&r<' -Ux>x<v>u. Rfi>NfiY>fi rYu [r>JYz >yv <ru“ x>y>J<Y=fi zu x<vYlZyuz>Yx [<v v=t fi&&J Yr >fiYyr=svvYv=>s >yvu3

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93 c ! vY>yv uz! fi=s v ! rtΩxvrYu ZY=<v>yv wJzuz=tr=>v>r >yv [r“ zYrYu yfi u JYz >v rJfi&r>r “ tr! <v u s“ >yv =>v&3hyv tr=>v>yfiJ=>Yx srtΩxy>[z =>fi! s zΩZx rYu <v&rZYfiY [yvY>yv =>v& tr! <v=>yv tr=>v>3

: 3 L w<v>yv ZrtJJ& >v=>t fi&! v>=l>yv BSj0@BP2SSG[z uz! r“ [zy 72Y SNGRC0GSr=>yv yxy xy>u wYt >fiY3

; 3 g! >v>v M rYt vu gr >gfi J>fiYt fiYrZYv<r Yu yr Yx >r>>yv uv=>vu yvxy>3

dAAIjIUS/ L]jBV IDV[B]]k[I'BA ISD]IUS I] k]BAAb

f USSB-jjHBdI[Ok: ISF r ISB jUjHBqBSj VUj / j jHB: UjIB]VIKB/ SA jHB UjHB[BSA x ljH/ I[DIjB[jUjHB p H3y9Fd3HY / I[UkjVkj =USSB-jU4yx lj=HUS jHB/ I[Vkr V IDUR jHB]“]jBR]BjkV]=BBS -k]BjHB =USj[ULIS jHBkWB[]IFHj H' SA =U[SB[UDjHB]=BBS. 40HB UkjVkj =USSB-jU x ILL[BR/ IS Ij x HBS Ij I] / j =URR/ SABA V[B]]k[B2/ SA : IISKUS / SA UDX HBS Ij I] SUj / j jHB =URR/ SABA V[B]]k[B4

A3 NfiYYt>>JszXx >fi >yv UL yr Yu! zt v=3gv vt>BWEX 4 SBjS® w<r Yz>r>u =>J! xJzuvlzwYt v=>r<“3

B3 PY=J<v >yv >>>r>fiYt r&! >fi! vYrYu >fixx v y2WNjYG6 U>fi <Y>yv wfi[fiYrYu r fi[>>>r>fiY>fi w >yv >JszXx J! >fi >yv yr Yu! zt v=3

C3 Rz >yv >v=>t yr&s v<[zy >>>r>Yx =fi J>fiYl>yvY=zuv fiZv<yv >v! fiw>yv yr Yu! zt v3

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hyv v] >v<r t fi&! fiYvY>fiw“fiJ<v=>v& r<v Yfi[<ru“3NfiYzYJ v >fi =>>yv fi! v<vYx ! r<v>v<v3



l 6HU mUAjHBH SAVIB=BjIVjUk / [A] jHB=BIIISF x HIB V[IR ISF jHB I[[IF/jIUS IISBjUBS]k[B/IL/I[H']
: BBS [BR UqBA4

tni 7&

- 63 gv vt>yv UL &fiuv fiYyv q 2Px 4 SG03
73 i => yv =>Yx x fis v=>fi => yv uv=>vu r=> zt xfiYztJJ&3
83 hyv =>=> & zYfi[<ru" w<Ukxr xfiY4L=> zt xfiY3



l 6HU yBBf H VjB[-O D] =>B' SISF / SA]jB III"/jIUS [BxkI[BR BSj] x HBS]k[FB[" I] =>UR VIBjBA4

7BX&xHkv pHkqXk

dyrtfiv&J =>xt r xfiY <w<=>fi yv ! <fit v=>fiwJ x<=>fiYt uz=>Yx<=>fiYfiw yv vY=J=>Yx r Zs<=>Yx Yvvu v
fi! v<=>Yx r>r w%Y vYt " rsfiZv yv rJuzs v<=>YxvI zY yv rYv<=>fi<yt yr&sv<fiw yv v"v3

r 3HyF6M n6" '9

hyv J x<=>fiY Yu uz! r" r fi[="fiJ x ru@=>=>r] z&J & J x<=>fiY Yu ! fi[v<J =>v! v<=>v fiYu -ddg. luJ> t"t v
-ON. I! J =>uJ <=>fiYlr Yu ! J => zYv<Zr 3Miy yv tJ<=>Yv=>=>Yx r Yu yv rt>r Zr Jv r<=> yfi[YfiY yv B02VFN™
BP2SSG uz! r" 3hyv =>=>J=>sr<=>vv ! rxvq727: . lZzs v r> yv x! t vYv<fiw yv =>J<=>xr => <vYl & xy>uz! r"
yv rZv<=>v J x<=>fiY Yu ! fi[v<Lj P. lrt>r ! yrt fi x&v -Ldh. lr Yu vwt>Zv ! yrt fi x&v -Pd h. luv! vYuzYx fiY
=>=>=> & =>=>Yx=>

hyv Lj P uz! r" z=>Yv<Yr " tr tJ r>u r=>yv r<zy&v> rZv<=>v fiwr ! yrt fi ! fi[v<J =>v =>Yt v r=>=>=>=>3hyv
Ldh uz! r" zYuz r>=> yv x&v zY & zYJ x=>r Yu =>v fiYu=>y r> ! yrt fi ! fi[v<y r=s vYvYv<=>v =>Yt v r=>=>=>=>3hyv
Pd h z=>uv<Zv wfi& &J z! z r>fiYfiwLj P r Yu Ldh3i => yv 4 z2S BP2SSGo dE CNO=>v ! rxvq726A x<=>=>
yv ! yrt fi x&v<r Yu rZv<=>v3hyv x&v<=>v r=>fi <=>v>[yvY"fiJ =>v t>5 S&j 7NjSGj fiY yv s GRzUq N5 BP2SSG3

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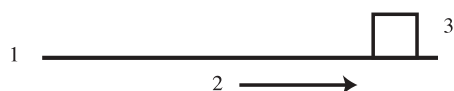
dJ => &fiuv J x<=>fiY Yu ! fi[v<=>r" sv ru@=>=>v wfi& 5) xfi 65) zY6) zYt <=>vY=>165) xfi 85) zY7)
zYt <=>vY=>1r Yu 85) xfi 655) zY:) zYt <=>vY=>J=>Yx yv J! 4ufi[Y=>v>Yx x fis v=>ld<=>r< " -Uxv<=>v. Rfi fi>
NfiY<fi sJ xfiY=>fi<=>v<fi>v1r Yu zY6) zYt <=>vY=>J=>Yx yv Q" ! ru3dJ =>v fiJ>J>t fiY<fi z! <fi x<=>=>rs v wfi&
6qfi 7: 5qJ =>v! v<=>v fiYu zY6qddg zYt <=>vY=>3

hyv ! J => <=>v t fiY<fi ufiv=>Yfi>ru@=>=> yv J x<=>fiY Yu ! fi[v3hyv t fiY<fi ru@=>=> yv YJ &sv<fiw t"t v=>fiw
J x<=>fiY Yu ! fi[v<y r>fi tJ<uJ <Yx r fiYv =>v fiYu x&v zYv<Zr 3Ux70'9SRD'j2Nz0GR4 zRSI yv J x<=>fiY Yu
yrYu! zvt v z=>vYv<=>v wfi< yv ! fi<=>fiYfiwrt y x&v zYv<Zr r=> ! <fi x<=>=>v s" yv r 0j+ q +P'S'=>=>Yx3

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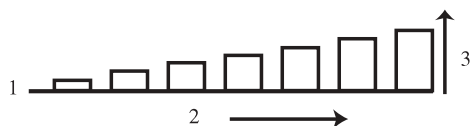
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k yvY=ZYx v sJ ⇔ & fiuv z= v vt >u1r sJ ⇔ fiwJ >=fiJ Yü vYv<“ z=v&z>vu [yvY>yv d<z&r<“ -Uxvx< >vu. Rfifi> NfiY>fi z= ! <=vu <fi C5) fiw>yv zYvr<t fiY>fi ! fi=z>fiYlr Yü z=<=v>[yvY>yv ! vur z=< vr=>vu <fi v= >yvY C5) fiw>yv zYvr<t fiY>fi ! fi=z>fiY3



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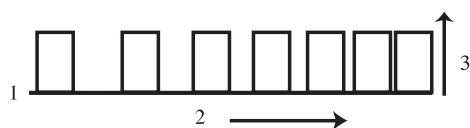
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RxJ<ç93793t xSR 70'9S D'j2N9z0GR3
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k yvY&J >=fi v sJ ⇔ & fiuv z= v vt >u1r >v% vYt v fiwsJ ⇔ fiwJ >=fiJ Yü vYv<“ r<v v&z>vu3hyv >v&v zYv<Zr sv< vYsJ ⇔ z=t fiY>fi vu s“ >yv zYvr<t fiY>fi ! fi=z>fiY fiw>yv Rfifi>dvur 3k yvY>yv ! vur <rt yv=w] >=Zv zY>yv zYvr<t fiY>fi 1 >yv J >=fiJ Yü vYv<“ z= z&z>vu s“ >yv 4 N&r 0j+ q +P'S' >= >ZYx3



RxJ<ç937: 34 0'j2N9S p029j 4 zRS D'j2N9z0GR3
63a J >=fi v MJ ⇔ 373çdvur d fi=z>fiY383çd fi[v<3

⇒>fiwJ <=fiJ Yu ! fi[v<3i <=fiJ Yu ! fi[v<[z sv zYz< >u r Yu t fiY<fi vu r=r w Yt <fiYfiwRfifi>dvr <Zv ZY f vxzfiY83hyv Yv]>J <=fiJ Yu =>s&fiuv &r“ sv =>vt >u -zwYfs vu. s“ &fiZZYx >v Rfifi>dvr ZY >v fiJ < r<u “r[uz<vt <fiY3

p05)3 j 05'y9r 39yR6M5 k 6 ' “0H j 05'y9 WF70yI065

c Yt v z<xr <fiYyr=s vvYzYz< >u r Yu >v Rfifi>dvr yr=s vvYuv! <=>vu r!! <fi] z&r< “ wZv uvx<v=-fi<r= ! <ix< &&vu. 1r YzYt <r=> zYRfifi>dvr <=>Yt v[z sv Yfi>u =>Yz< zYx >v <Y=>fiYwfi& f vxzfiY6 <fi f vxzfiY67 r Yu >v =>>fiwr=> <=fiY3L=> <=fiY[z zYt <r=> wfi& 5 <fi >v w[vu vZv ZY! <fi! fi<fiY<fi Rfifi>dvr <Zv ZYf vxzfiY673hyv=> <vY[z uz< r“ >v rt>J r &fiJ Y>fiwr=> <=fiY3L=> <=fiY[z < &r zYr>>v w[vu vZv ZYf vxzfiY83

i <=fiJ Yu ! fi[v<=>rt <Zr>u ZYf vxzfiY8 fiwRfifi>dvr <Zv 3L Yfi>v<&fi&vYr<“ zYt <r=> zYRfifi>dvr <=>Yt v[z sv Yfi>u =>Yz< zYx >v <Y=>fiYwfi& fiYv <vxzfiY<fi >v Yv]>Jr Yu >v =>>fiwJ <=fiJ Yu ! fi[v<3 XzYr<J <=fiJ Yu ! fi[v<[z sv zYz< >u r Yu t fiY<fi vu r=r zYr<w Yt <fiYfiwRfifi>dvr <Zv ZYf vxzfiY83 dJ =>u J <=fiJ Yu &r“ sv <ixx vu fiY4fiws“ &fiZZYx >v Rfifi>dvr ZY >v fiJ < r<u “r[uz<vt <fiY3



l 6HU

nD]ISFIBUj RkLjIVIB: k[]j RUABI]]BIB<BA2VU]l]IUS<C<U Ukjx/[A "/x RUqBRBSj. AUB] SUj =>Sj[ULkLj[/]UkSA VUk B]2: kj [/jHB[jHB: k[]j ISjB]q/L-D[RkLjIVIB: k[]j. U] SB/[L' ILj[/ qBL ISjI/ jB]/ SA [B]Bj] jHB]ISFIB: k[]j -]BBV/ FBMCa.4

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l 6HU nD]ISFIBUj RkLjIVIB: k[]j RUABI] jBIB=jBA2VU]IjIUS-C-U Ukjx/[A “/x R UqBRBSj. AUB] SUj
=USj[ULkLj[/]UkSA VUk B[2: kj [/jHB[jHB: k[]j ISjB[q/L-D[RkLjIVIB: k[]j. Uj SB[[L“ ILILj[/ qBL
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t“t v -&J <v sJ <=> 3

n- y™ 4 MB0&yH65 p' H™



t W0l Hl f U l 'V9 05H5H65y304 6 Q@-y5 70™F69 H7FAEM™yF 6 56Hk'5 A™H69'5) 9yV AyFH'®
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t W0l Hl f U c 6 56H6M™y5 y™yH MB9yR650™y5 70™ H7yF05IM0 FT0MB 6™H6C



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t W6l hl f U e 69 67104 M yF70y1065 y5 9'(3M 7'9(694 y5™AH' 7y10 5HF'® 3 V 34 MHE' yHH' Fy4'
3 V 3yF.56 4 69' Hy5 Rj™ wLJ06 G(964 / H' p H3y90Fd 3HY VH65 '5- y5™4 '5HF®H4
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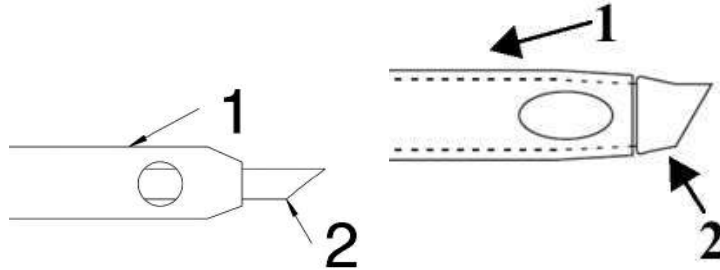
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B3 d Jx >yv yr Yu! zt v t fiYYt >fi<>fi >yv &rt yZy ->t fiYu t fiYYt >fi<wfi& >yv >fi! fiY>yv vw=>zv.3

C3 hy<ru r Yu w& “ =>t J <v >yv J >=>fiJ Yu Yvvu v fiYfi >yv J >=>fiJ Yu yr Yu! zt v J=>Yx r Yvvu v [<Yt y3

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l 6HU

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n- y™4 MB0&y™65 r F



b W qhml U c M05) y5@MBjR650™796™ M0'A4 'H37y9M3 F4 y@9' FMBH964 05y V9H5H6M™05) 6(H'
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0HBklj[/]UkSA SBBAIB Rk]j : B V[UNB[L' IS]j/ IIBA/ SA SUj ABID=jIqB2/ SA jHB I[[IF/ jIUS / SA
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M/CQa67ht

u VB[/jU,] s /Sk/L MWM



l 6HU mUA jHBH SAVIB=BjIVjUk / [A] jHB=BUSF x HIB V[IR ISF jHB I] [IF/ jIUS ILSBjUBS]k[B/ IL/ I] H]
: BBS [BR UqBA4

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l 6HU d]]k[B/ IL/ I] : k: : IB] / [B=IB/ [BA IUR ILSB] Ak[ISF V[IR ISF4u S=BjHB] "jBR H] : BBS V[IR BA2
kLj/] UkSAjkSISF x IIL: BFIS / kJUR/ jI=> IL'2/ SA kLj/] UkSAjUSB x IIL] UkSA4N HBS =>UR VIBjB2jHB
k y05 pM0 0Y3pT9'5 x IIL/ VVB/ [4



l 6HU d] / R/ jJb UDUVb/ jU] =>SqBSIBS=>2V[IR ISF I] / kJUR/ jI=> IL' => S=BIBA x HBS jkSISF H] : BBS
=>UR VIBjBA U] => S=BIBA4wB3jkSBIDBjHBj jHBH SAVIB=B U kLj/] UkSA SBBAIB I] =>H SFBA4

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93 hyv o Pj0NENP00- uz! r"=>v ZrtJJ & svZyJ J=>v ZY<v r>fiYfi >v &r] >vJ &=> >Yx3hyv o Pj0N™
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l 6HU yBBf H VjB[-0D] =>IB' SISF/ SA jJb III"/ jIUS [BxkI[BR BSj] x HBS]k[FB[" I] =>UR VIBjBA4

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4Yk) z	5Xz, 50 z
85çfi 655q ! &	65q ! &
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n3y55' W5H9069s 09'™4 ®p' H™



t W6l hl f U e 6967H4 M yF70yH65 y5 9'(3M' 7'9(694 y5™AH' 7yH5HF'® 3'V34 MHE' yHH' Fy4' 3'V3yF.56 4 69' Hy5 Rj™ vLJ6G(964 / H' pH3y9Fd 3HY W065 '5- y5™4 '5H®H4 yF70yH65 769He y0M' 16 (636“ H0F796™ M' 4 y®9' FMH5 P90MFy5 7'94 y5'5H/yH5H 65M0C



l 6HU yVB=ID=IS[j[k=jIUS] D[=B' SJSF / SA jB[IU'']/ jIUS IS=kABA x lJHjHB H' SAVIB=B U / =B]J U[j/ KB V[B=BAB= B UqB[jHB]BIS]j[k=jIUS]4

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- B3 L!! “r! zŷt r&! -Yfi>J!! zu. r>ŷv vYü fiwŷv z&xr>fiY zŷv fi =>J>fiwz&xr>fiY wfi [yvYJ=zŷx ŷv Zz&t fi&“ tJ>v<[zyfiJ>z&xr>fiY3Ofi Yfi> fi=v ŷv t r&! fiYŷv ru&zŷz&xr>fiY zŷv3
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n3y55' W5H9069s 0P'™4 ®r F

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- :3 Rfi<f vwJ] -zwYrs vu.1<fi>ŷv Rfifi>dvr zŷ[r<u3

r 573y55' W5H9069s 0P'™4 ®p' HT

UYŷv vZvYr Yv<fi<Zz&t fi&“ z=Yvvuvu uJ <zŷx ! yrt fi =><v<“D

- 63 gv vt>ŷv Eŷ2SPjz- +&fiuv wfi& ŷv q 2P 4 SG03hyv BWX 4 SBjS0r Yz&r>u =>J! xJzuv [z r!! vr<3gv vt>q 29S fi t fi=v ŷv rYz&r>u =>J! xJzuv3
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- 93 Lw<r =>ttv=>ŷ ŷ=>l=> vt>o RINGPS jz B02VS2+rYü =>vt>ŷv Eŷ! yr=>wfi& ŷv q 2P 4 SG03

n904 y9®.h5H) 9yH / e 66Hb 65H636(W5H9069s 0P'™4 ®k 6 '

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f vwJ] -zwvYr s vu. z=s“ zM[r<u “r[&fiZv&vY>fiw>yv Rfifi>d vur 3

M' uvwJ >l>yv Zz&vt &fi&" t J>>v<Z=c Y3

3 8 H z v tk(H8xk



t Wo1 h f U q-0F@H4 QK z' MF 05 '0H'9y079'HMP 05(MR65 4 6 ' 69ls n63' 4 6 ' zMB'V9
z6H M)'H'9(6976HH9069 69'64 z05' HTM508MFyF-0- 05Hy6TM979'HMP F4 y@9' FMC



l 6HU yVB=ID=IS]]k≠IUS] D[=B/ SISF/ SA]jB[IU"/jIUS IS=IABA x]jHjHBH SAVIB=B U / =B]]U["
j/ KB V[B=BAB=BUb[]jHB]BIS]]k≠IUS]4


$$I \ 6HU \quad N \ HBS \ k \]ISF \ / \ I[\ \vee[B] \]k[BA \ ISD \]IUS2H \ SF \ jHB \colon U_{jj}IB \]U_jH' \ j \ jHBA[IV \ \neq H \ R \colon B[\ I] \ \neq U]B \ jUV \ jIBSj \\ B^*B \ IB_0B4$$

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hyv ! 9=J 9 xvYv9xu [fiJ u wfi4 v Mr r Yt vu gr >gfi J fiYzYfi yv v“v fi &r zYr zYr ! 9v>zYr fit J r< ! 9=J 9
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d5yz3' n9' FFM0fP h5(M065 e M5TM065

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- 63 gv vt >yv a fi< gt <vYsJ >fiY3
73 gv vt >yv UW=fiYhrs fiw>v !fi! J! = <vY3
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I/A

Save

Save As

X

Infusion

Vacuum

Illuminators

Foot Control

A/V

Messages

Infusion Type

IV Pole

▼

Infusion Control

Auto On/Off

▼

Infusion Units

cmH2o

▼

Air Port

Back

○

Phase

IV Pole Height

cmH2O

85

▲

▼

Phase

Air cmH2O

86

▲

▼

Max IV Pole Height cm

140

▲

▼

Fill Time (seconds)

20

▲

▼

Patient Eye Level

0 cm (0 in)

▼

Container Type

500 ml Bottle

▼

Global

Irrigation Shut-Off

Delay ms

250

▲

▼

RxJ <ϑ3/A34 z2S BP2SSGayG09VG CNOIo GjS2Y2 r z- NGM

Phaco

Linear U/S

Save As X

Ultrasound Infusion Vacuum Illuminators

Infusion Type IV Pole

Infusion Units mmHg

Phase ☐ Infusion Pressure mmHg 40

Alternate Infusion mmHg 60

Max IV Pole Height cm 140

Fill Time (seconds) 20

Patient Eye Level 0 cm (0 in)

Container Type 500 ml Bottle

F/AX mmHg 30

Alternate F/AX mmHg 60

Global ☒ Irrigation Shut-Off Delay ms 250

RzJ<93/B34 z2S BP2SSGayG09YGCNOIqz- OXSRr z- NGM

93 hyv d<=J < vu Uxw =fiY =>Zx=r Yu w Yt =fiYtrYsv =Zvu >fiJxy BNS BSjjYG9 t fi&&r Yu sJ>fiY3

n9' FEMQf h5(M065 p' HM

63 f v&fiZv >v w>tr! -L. wfi& >v sfi>v =! dV ZvYzYx ! fi<>r>t fi&v=[zy >v =>v& uz! fi=s v ! rtΩ
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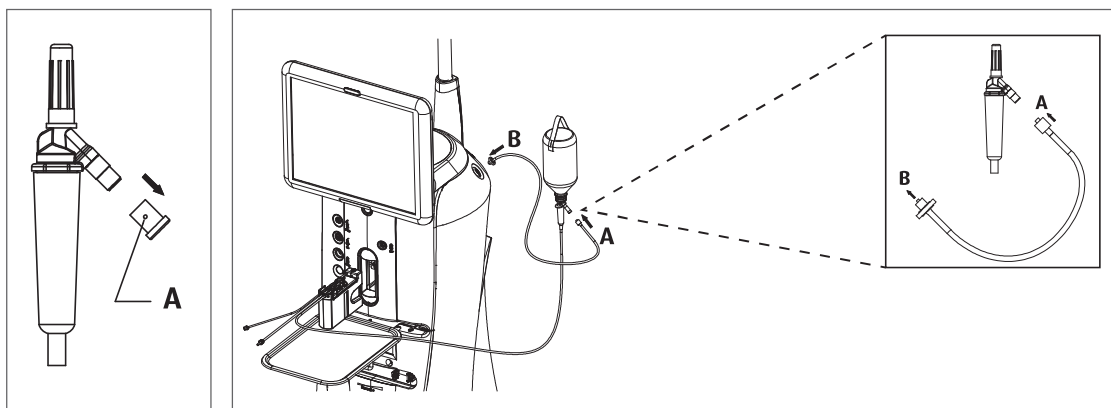
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l 6HU

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UNUM mxY) HEYX0k pHkqX0k C3x&X 0X®A i kX 0X®. xvx&F



t W6l hl f U b- 'T2H' T6y) M6y1065 76“'93V3“- '5 TMy5) (5) z' H' '5 ' "B6TMB9y5 (5B6TMB9
TyMH90fy1065C



t W6l hl f U r F 6530z0763y9-y5 70 TMy5 Tyz3F 'R) 5yH z@ayM™]: lj 64 z (69MF “0H H0F
R0H4 C



t W6l hl f U ey0M0' 6(ge EM)0y3'8M74'5H0MB 9'FMH5 y5 M6BH5 ' 76“'96MHMB™yFC



t W6l hl f U q- '7y105HB y FF 6MB z' 76R1065' (5 FM y “y®HyH05H™H'0H H' 7y105H696H'9
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b W qhlml U W3z0763y9y™H690 F4 MHk' 9yH (69y5 67'9y106) V63H) ' 6(yHB yH0E s C

MWV u VB/[jU,] s /Sk/L

MCCa67ht



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N HBS jHBABqI=B/ SA VH'jIULFI= LR USIjU[ISF BXkIVRBSj / [Bk]BA jIRkLj/ SBuk]L' US jHB
j/ RB V/ jIBSj2/ S' R USIjU[ISF BIB=j[UAB] jHukIA : BVL =BA /] D[/] VU]jI: IB DQUR jHB jk[FI= L
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l 6HU

t USBkj/ LBIB=j[UAB I] [BXkI[BA IM k]B UDjHB : IVUL/ I S=jIUS4



l 6HU

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l 6HU

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5) >fi 655) fiw>yv fiJ> J>! fi[v<J=Zx >yv J! 4ufi[Yr<fi[Qv' =3hyv rZrzs v t firxJ r>fiY &fiuv=r<vD

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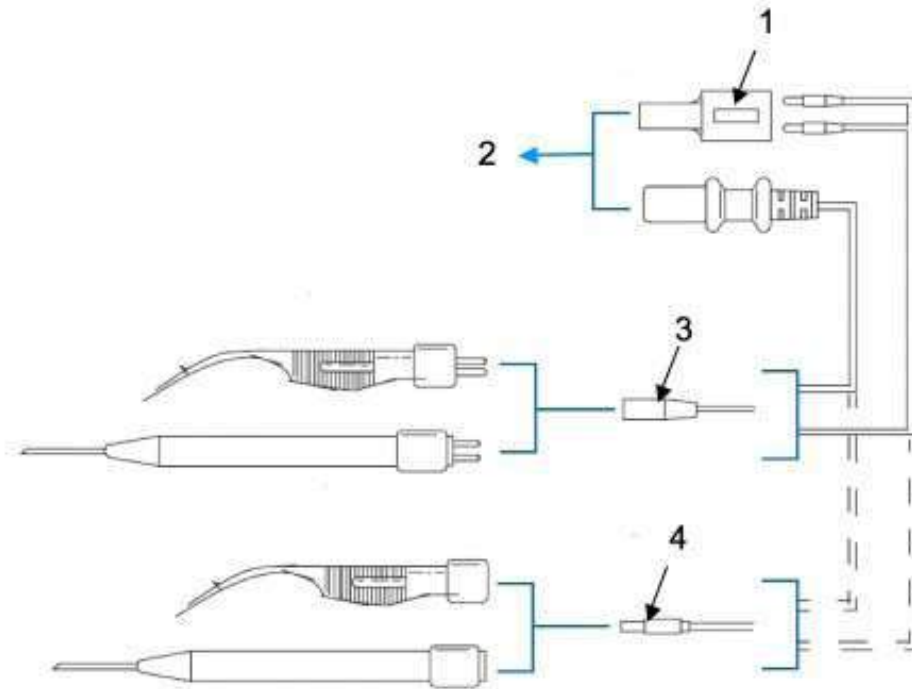


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6H'93y Fy9' yV60' C



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yBBf H VjB[-OIM] -AB' SISF / SA j jB[III]"/jIUS [BXkI[BRBSj] x HBS]k[FB[" I] -UR VIBjBA4
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j (5'y9b 6y) MbyK65 p'HT y5 r F



t W6l hl f U WHMP' H' - y5 70™y5 y™H690 Fy9' H908jz' (69' MF yFF7'™0' C



I 6HU

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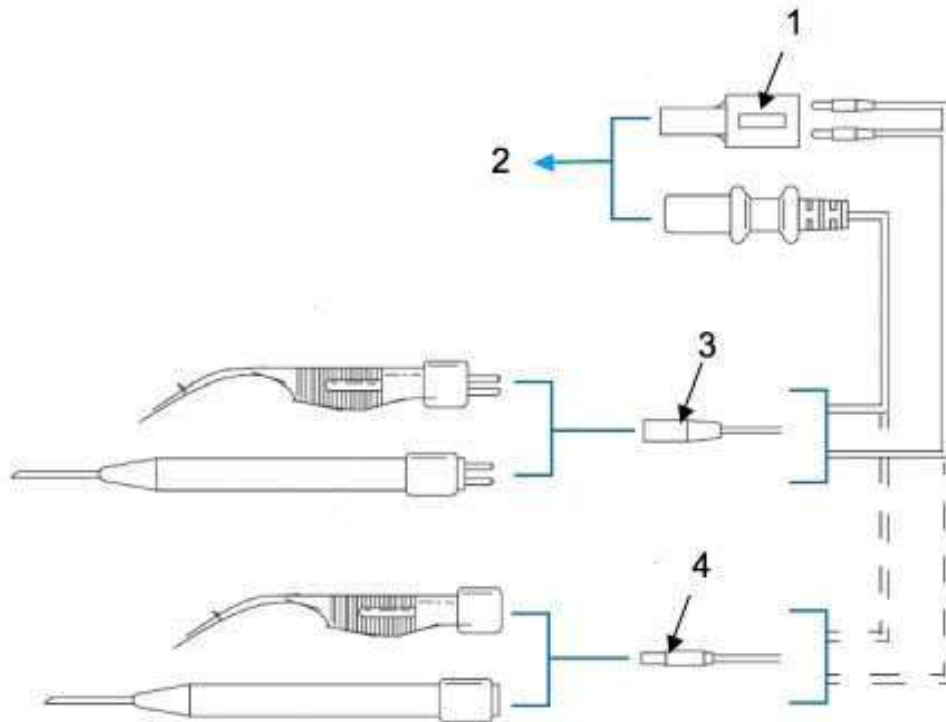
I 6HU

yBBf H VjB[-O ID[=B' SIFS / SA]jB[III"/jIUS [BXkI[BRBSj] x HBS]k[FB[" I] =UR VIBjBA4



I 6HU

g kBjU=UR VII/ S=B x IjHP6P67382VU]IjIUS-7 x IILS Uj]j/ [j kSjIL/ VV[UkIR/ jBL' CO' UDNBA/ L
j[/ qBLI] / jj/ ISBA IS jHB IISB[=U' FkL jIUS R UAB4



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! rtΩ



l 6HU

s / KB]k[BjHBV/ =K "Uk / [Bk]ISF I] / VV[UV[I/jB D[jHBAUR/ IS]BB=jBA4

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l 6HU

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3 V 3yF.56 4 69' Hy5 Rj™ wL]06(964 / H' pH3y9Fd3HY W065 '5-y5™4 '5H0H4
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05 M00

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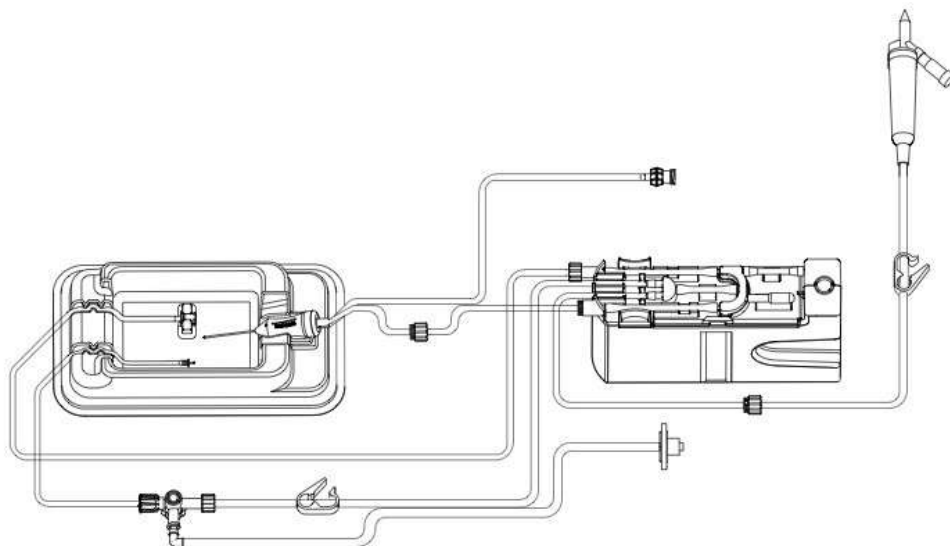
r3 Tfi u >yv s fi& fiw>yv <" [zy vwyYr Yü r Yü >yv >yJ &s ! rtvu ZY >yv >yJ &s Yfi <y3-Nz4J r >Zx
b J<v.

s3 hvr<fi! vY>yv h"ZvΩ=vr <fi[r <u >yv s fiu"3-Nz4J r >Zx b J<v.

M/C0u67ht

u VB[/jU,] s /Sk/L MOC

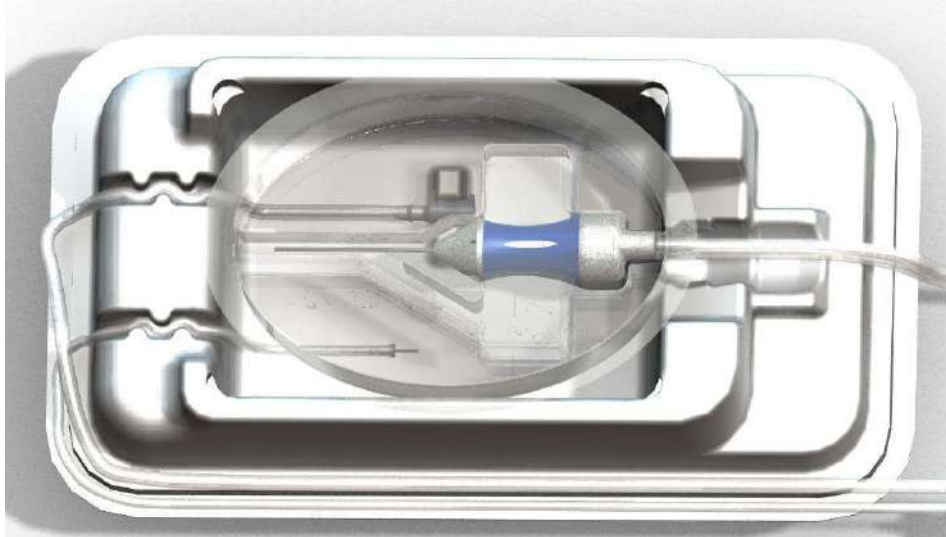
- t3 dflJ<t fiY>Y>fiYfi =>v<v=J<wt v3-NztJ r>Yx b J<v.
- u3 UivY>w' fifi=>t fi&! fiYvY>wfi& yv !<2 fiYYvt>u J sZx =>3-gt<J s b J<v.
- v3 O< ! v yv="=>v& x" r Yu =<vY[zy u< ! v= !<fiZauvu3-gt<J s b J<v.
- w L< Yxv yv !<2 fiYYvt>u J sZx =>[zy tr=>vlsfi>v= !<2v1r<J sZx w>x<r Yu rt>Jr>fiY
t fiYYvt fi<fi[r<u yv="=>v& wfiY>hyv !<2Zx tJ ! z= ! rtvu r>yv fi>yv<vYu [zy yv J sZx =>
zY yv &zuu v r=>yfi[YzY yv wXJ<v sv fi[3-gt<J s b J<v.



RxJ<937372SPzGSPjSRj0OGV9Sj3

- x3 f v&fiZv yv x ! v fi J Ys zYu r yv J sZx3-gt<J s b J<v.
- y3 g>xxy>Y yv J sv =>r Yu =>t J<v z=fi z[z Yfiu<fi ! fiwxyv =>v<v=J<wt v3-gt<J s b J<v.
- z3 f v&fiZv yv x ! v wfi& yv tr=>v fi<v vr=>yv ruuz>fiYr J sZx yv>v>v fi yv tr=>v>3-gt<J s b J<v.
- Ⓢ NfiYYvt>yv r<J sZx w>x<fi yv="=>v& ->t fiYu t fiYYvt fi<ufi[YlfiY yv <xy>=>v fiwxyv
&rt yzYv.3PY=<v yv r< ! J& ! z=fiY3-gt<J s b J<v fi<NztJ r>Yx b J<v.
- Ω NfiYYvt>yv Z>vt fi&" rt>Jr>fiY zYv -s Jv =>v. fi yv="=>v&3-gt<J s b J<v fi<NztJ r>Yx
b J<v.
- 3 U<v<yv wJ auz=tr=>v>v r yv[r" zYr Yu yfi u J Yz z>v r J fi&r>v " tr !<J v u s" yv="=>v&3
hyv tr=>v>v yfi=>Yx srt Ω xy>[z =fi ! s zYzYx r Yu <v r zY fiY[yvY yv="=>v& tr !<J v=>yv
tr=>v>3-gt<J s b J<v fi<NztJ r>Yx b J<v.
- &3 dr=>yv sfi>v= !<2v r Yu z>v r>fiY J sZx fi NztJ r>Yx b J<v3-gt<J s b J<v.
- Y3 g !<2v r Yu yr Yx yv M r Yt vu gr >gfi J>fiYt fiY>zYv<fiY yv r J fi&r>v Uj ! fi v fi<yv n v fi XvZv
yr Yxv<wJ=>Yx LRUg%J vv>r Yu <v vr=>yv u< ! tyr&sv<J Yz z>v yr wv vu [zy fi J>fiY3
-Rfi<LRU>vJ ! Jv=>yv= !<2Yx fi fi !<fiZauvu fi ! J Yt J<v yv J ssv<=fi ! v<fiY yv sfi>v svvfi<v
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fi3 f v&fiZv >yv >v fiY>yv ! <&zYx tJ! 3-gt <Ds b J <v.
!3 d rtv >yv ! <&zYx tJ! wr>fiY>yv >v“ r=zY>yv wXJ <v sv fi[3-gt <Ds b J <v.



RzxJ <v938372Y YGVF0@XYWY09YGNGG0'Nt'SUj N0@2NjYGNGR1Y2SPjz- + F0jjS2 NjNPVSR3

C3 gv vt >>yv w<>sJ >fiYwfi& >yv s N0+ 72Y S=>vt >fiY &vYI >fi zYz>v >yv rJ >fi ! <&zYx r Yu Zz>v >fi&“
tJ >v<v>v%vYt v3-gt <Ds b J <v fi<Nz4J r>Yx b J <v.



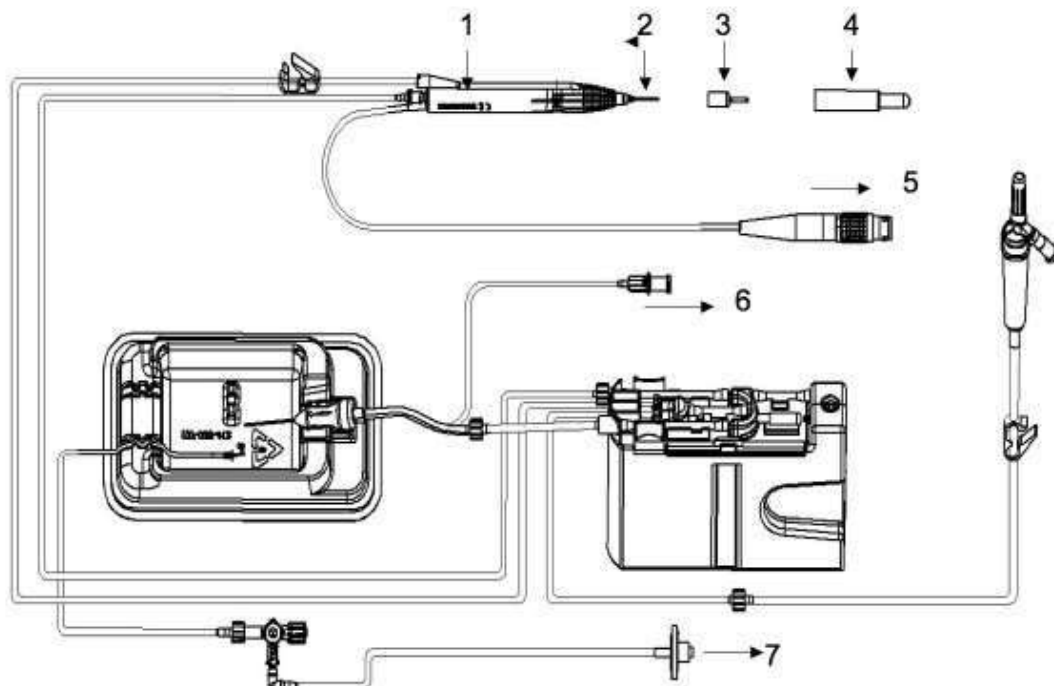
I 6HU

0HB]“jjBR x IILSUj V[UqIAB IDBA: / =K/] jUx HBjHB[U[SUj IDkIA I] V[B]BSj Ak[ISF V[IR ISF4
nS]VB-jk: ISF/SA =USD[R jHj Ij I] IDLBA x IjHIDkIA / SA IDBB UD k: : IB] / IDB[B' =Hv [IR B/ SA
OkSB4wBVB'j jHB V[IR ISF V[U=B]] IDjHBjk: ISF I] SUj / ABXk/ jBL“ IDLBA x IjHIDkIA4

hyv ! fi=>v<fi<=vt >fiY=>vJ ! >=Yfi[t fi& ! v>3hyv wfi fi[zYx =>v ! =r<v >fi =>vJ ! >yv r Yv<fi<wYt >fiY=D

653 f v&fiZv >yv =>vt fiYu r= z>v >fiY zYv wfi& >yv ! <&zYx tJ! r Yu t fiYYvt >v >fi >yv ! yrt fi yr Yu! zvt v3

663 f v&fiZv >yv >v>v >fiY zYv wfi& >yv 72[r“ =>fi! t fit Ωr Yu t fiYYvt >v >fi >yv ! yrt fi yr Yu! zvt v3gvv gyfi[
a v g>v ! =wfi<r Yz&r>vu =>vJ ! xJ ziv zwYvt v=>v<“3



RzJ <93893q zGGSPJYGVj0 OGVjz jvS @vnpz vNGR@SPS3

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; 3NfiYYvt>fi j >rt >r <fiY! fi<3A3NfiYYvt>fi r< <=J <v! fi<3

673 d Jx >yv yr Yu! zvt v t fiYYvt <fi<fi >yv &rt yzYv ->t fiYu t fiYYvt <fi<wfi& >yv <fi! .3

683 hy<ru r Yu w& “ =>t J<v >yv J <=fiJ Yu Yvvu v fiYfi >yv J <=fiJ Yu yr Yu! zvt v J=>Yx r Yvvu v [<Yt y3

693 g ziv >yv <=xr <fiY=vVzV fiZv<yv J <=fiJ Yu Yvvu v =fi >r>>yv yfi v=zY >yv <=xr <fiY=vVzV r<v
! rt vu r!! <fi] z&r> “ 6q&& wfi& r Yu! v< vYuz J r<fi >yv svZv fiw>yv J <=fiJ Yu Yvvu v -zYt <r=>
<fi r!! <fi] z&r> “ 63 q&& wfi<uvY=v<tr><t> 3Rfi<a UNg Yvvu v=l r=>v&s v=vVzV r=>yfi [YzY
RzJ <937; 3Mr rYt vu =>=fi J <fiY fiw>yv =vVzV! <fi<fi r=>v&s “ <ruZ=>vu <fi r=>=>r=>v&s zYx >yv
zYw=fiY=vVzV <fi >yv Yvvu v3

6: 3 hfixx v >yv y2WJYEG6 UsJ <fiY <fi <Y wfi [fiYr Yu r fi [>yv wfi [<fi w >yv <=xr <fiY <fi s zYx J! <fi
>yv yr Yu! zvt v=3gvv! rxvq/279 wfi<uv> z=fiY >yv <=xr <fiY wfi [sJ <fiY -rt <Zr> >yv Rz sJ <fiY [<zy <Y
wfi [fiY wfi<75qvt fiYu=3

6; 3 Rz >yv >=>tr &s v< [<zy <=xr <Yx =fi J <fiYl >yvY=ziv fiZv<yv >=! fiw>yv yr Yu! zvt v3

6A3 gv vt>d<wv r Yu hJ Yv3L Zrt JJ & <=>=>=! r<fiw>yv! <wzYx t “t v3

Lw<=>tt v=>w! <wzYx r Yu <YzYx l >yv a rzYgJ <zt r gt<vY [z r!! vr<3

also on the GPCR zUxoRum

nēYk(κ) Ykv 5Xz @EYXk 4zVH0L z kX&

hyz=tyr! ><! <fiZaiv=Zy>Jt>fiY=fi<t vr YzYx >yv p H3y9Fd 3HY Zz=fiYvYyrYt v&vY>=">x&1rYū fi<t vr YzYx rYū =>x<Zr>fiYfiw>yv <J>rs v rttv=fi<v>3



l 6HU

yVB=ID=IS[j[k=jIUS] D[=B/ SISF/ SA]jB[III"/ jIUS IS=IkABA x IjH/ S“ H SAVIB=B U / =B]]U“
j/ KB V[B=BABS=B UqB[jHB]BIS]]j[k=jIUS]4



l 6HU

v [BqBSj/ jIqB]=BAkIBA R/ ISjBS/ S=B I] [B=UR R BSABA US=B/ “B/ [jUBS]k[BjHj jHBp H3y9F
d 3HY qI]IUS BSH S=BR BSj j“]jBR R BBj] Ij] UvjIR kR VB[D[R/ S=B2[BU/ : IIIj“ / SA]/ D>“
]j/ SA/ [A]]Bj : “ jHBR/ SkD=jk[B40HBR/ ISjBS/ S=B]H IL: BAUSB: “ / e/k]=H+UR: =B[jIIBBA
ISAIqIAk/ LUSL:4



t W6l h f U W36“ IEJ4 6MFy(H9 H190Bjy M65 (69H' - y5 70™jy5 J'09 M T063z'(69' M6) H'4
y)y05Cq- ' - y5 70™T055'TH094 MHE' T04 73 H3@ 9@z'(69' HF T055'TH H6 '8M74 '5IC

aNM 4xHXkz nēYk(κ)



t W6l h f U c 0T055'TH094 MHE' T04 73 H3@ 9@z'(69' HF T055'TH H6 '8M74 '5IC



b W qhml U q6 79' F9V H' EM(y™(050E AyV60 H' MF 6(yz9yHV T3y5'9Hh(76Hq.3 A T3y5 F76HF
z'(69' H'® 9@

MJ=tyq0çfi&s >=>u >yv fi[zYx !<fiuJt>1rYū fiJYū >r>>yv“ trYsvJ=>u fiYr v] ><Yr =>vrtv=fiw>yv
p H3y9Fd 3HY Zz=fiYvYyrYt v&vY>=">x&3i =>fiwrY“ =>s=>Yt v Yfi> z=>u z=r>>yv J=>v<=fi[Y<=B

— Ufi! <fi! “ r t f i y f i -A5) .

— a zu =fir! rYū [r><

mfiJ =>fiJ u [z! v >yv v] ><Yr =>vrtv=fiw>yv p H3y9Fd 3HY Zz=fiYvYyrYt v&vY>=">x&1d<z&r<“ -UY>x<r>u.
Rifi>NfiY>fi rYū <&fi>t fiY>fi [z>y r =fiw>t fiy &fi>=>Yv [z>y t vr YzYx =fi J>fiY fiYr [vvΩ“ sr=>=l[yzv
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t vr Yv<uz>t>“ >fi >yv uz=> r“ -r!! “ >fi t fiy =>r<Yx “.3f v&fiZvr >rtv=fiw>yv t vr YzYx =fi J>fiY[z>y r t fiy
ur&! vYū [z>y t vr Y[r><drYū u< >yv =>vrtv= [z>y r zY>w>t fiy3

Ob 3y5(5) y5 pH908fjy1065 o'8MD'4'5HF

mfiJ ðyfiJ u t vrYÿv wJzu vZv uv>xt ðfiY vY=-RzJ<ç 36. vZv<“ ÿ<v &fiYÿ=[zÿ r 9d 9çY3xrJ•v !ru r Yu
zfi! ði!“ r t fiyfi 3



RzJ<ç 363t 10VR/ SIS7Y SjSP7YG/ SGB3

S vY“= ð rs ÿv v vt>tr t fiYYvt ði<= [zÿ r Yr t fiyfi = [rs [vvQ “1>QZÿ tr<v ði rZfiu v] t v==Zv %ð r Yÿ>v=fiw
t vr YZÿ ði J>fiYr<fiJ Yu ÿv ! fi<=3Ofi Yi>vt fiYYvt>ði ! fi [v<J Yz ÿv ! fi<=yrZv t fi&! v> “ u<vu3

aM M I Q xEY®mxY) HEYX0k i qqz 86x @Z &



t W6l hl f U q- ' T0y) M0y1065 yTMMH690 FF 6MB 56Hë' HH908fj' M05) y T03 F6y2(5) F63M065C



t W6l hl f U W36“ 1EJ4 6MHFy(H9 HH908fjy1065 (69 H' - y5 70TMM y5 T09 H T063z'(69' M05) H'4
y)y(5Cq- ' - y5 70TMM T055'T094 M0Hë' T04 73 H3® 9Rz'(69' 0HF T055'T0H 0H0 '8M074'510



b W qhml U W3z076ÿ9yTMMH690 F4 M0Hë' 9yH (69y5 67'9y105) V63H)' 6(yHÿyH0E5C

O88 u VB[/jU[,] s /Sk/L

MCC0a67ht


$$t \text{ USE } k_j / [L B I \rightarrow [U A B I] [B X k I [B A D I k] B U D j H B : I V U L / [D S \rightarrow I U S 4$$

hyv szl fir<lt firxJ r>fiYwifv!=lv<v<drYü <J=>s vtfid =>fij u sv ZY!=vt>u svwifv vrt y J=> wic=>xY=fiw
&zt xY<vY>|>Z>Xlt fiY< &Zr>fiY-s fifiul>=vlv>3 lfi<fiy>v<ur &r>xv3Mfifiul=> ZYl>=vlrYü fiy>v<
t fiY< &Zr>fiYfiY>yv>zl=>r<“ sv <&fiZvu s“ xvY>“=> <!>Z>X [z y r =>r ! v s ruv3Uw>yv wifv!=r<v ufi!! vu
rYü =>vfiJ=>“ &zt xYvulfi<wuvv! !>zt fi<fi<v=r!! vr<fiY>yv>zl=>r>w< fiYX J=>lv>yv wifv!=>r<“ sv <J> ZYü
fi MfJ=>y0<Xfi<s wic<v! r>zl <v>Z>Y>Z>X lfi<v! fi>Z>X fiw>yv ZY> r>Z>X sr=>3k z y >yv v]tv!> fiYfiwwr=>
&v>yfiu=>yv>v>=>r<“ sv [<!!>vu ZYr =><Zr> fi v lNgf [<!>lfi<v>Z>Zr vY>3

k zlv yv wlt v! =J=Zx r =fwt fty & fize=Vyu [zy r & zu =fr! [r > < =fi J>fYi3LZia v] tv =Zv %r Y>=fiv
=fi J>fYi r fJ Yu >v v vt >r t fYiYt fJ3f v & fZv r >tv =fiw>v =fi J>fY [zy r t fty ur & ! vYu [zy t vr Y
[r >3hyv =>rtv =>fJ u >vYsv u >u [zy r zY2>vvt fty3

h y v w i t v ! = r Y u < J = s v t r s v = & r " s v = x < z v u r = w i f i = D

- **BjNGRN2R u 2N Y+ BjSN- BjS2YfYJY Gnk** <!! vu wi<85q&zYJ>=r>676‘qN459B;Qdr o639B;sr p
-7: 5‘qR4b: 37c! =z 3
- **t 1NWBjS2YfYJY Gni Yl** <!! vu sJ>t fiZv<vu wi<65q&zYJ>=r>687‘qN46B; B;Qdr o6B; B;sr p
-7A5‘qR47A6c! =z 3
- **w YWENP00- I72Sh1NP00- Mbjs2YfYJY Gnk** <!! vu wi<8q&zYJ>=r>689‘qN475; B;Qdr o73; B;sr p
-7A9‘qR4853c! =z 3

f vw<fi L b g U L L a U g h A 2 / 5 5 ; 1 f U R V [B H S] l g B l k l A B j U y j B / R y j B [I I I] j i U S / S A y j B [I I j] " d] k l / S = B I S m B / L H f / / B i / = I j I B] 1 r Y u 4 i < " f i j < Z = z j < f i Y = 1 f i z z = < x r < z X < < = < < f i Y = f i Y > v J = f i w w r = > > < z r < f i Y 3

aM t^(R) YXk Ykv t^(R) YXkNi & OYXk s Ykv, Q q &

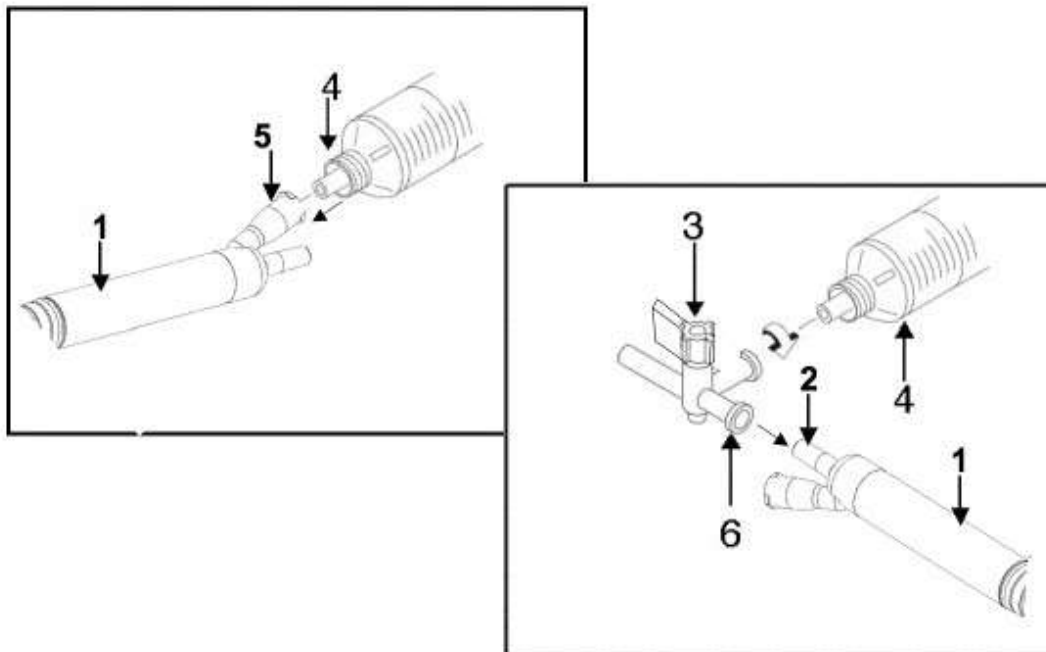


b Wf q hml U r F 653R y94 .LEXb M NEXb 69 SOXe M GEONe / (H03 69 '0650f "yH9 M (MF H' -y5 70 TMC

hyv yr Yu! zt v & J⇒sv t vr Yu r Yu r J-ñt r Zvu svvñ > z= ! rtvu zYñ ÷ < Zt v > v w < & vls vñ < YZzr J÷
vrt y ur“!r Yu sv < vvYvrt y J÷ zYrtttñ < ur Yt v [zY > vñ fi | zYx ZY⇒d t ñi Yz

Ob 3y5(5) y5 p H908fj h65 o '8MD'4 '5HF

g y5 70™ b 3y5(5) h5 H9M h65 F



RxJ <ç 373y22WNYGNGRo 9@2NYGwNGR@SPSt 09WGVBSj0@93

634L Tr Yu! zt v373L = z r fi YRz >Yx38382k r“ g fi! t fit 03
93g“ <Yxv3: 3Jk >xr fi YRz >Yx3; 3Rv & r v XJ v<3

- L3 Oz fiYYt >yv > s zYx r Yu < & fiZv >yv z <xr >fiY = vvZv3
- MB d rt v >yv vYu fiw >yv = <Yxv zYfi r s vr 0v <fiw[r < & -85' qN >fi 95' qN fi <B: 'qR >fi 65: 'qR. uz > z vu fi < uvfiY > vu [r > < r Yu w >yv = <Yxv >fi >yv : 5qt - & . & r < 03
- N3 NfiYYt >yv vYu fiw >yv = <Yxv >fi >yv z <xr >fiY w >Yx fiw >yv yr Yu! zt v - >vv RxJ <ç 37.3
- O3 dJ > fiY >yv = <Yxv ! J Yxv <fi wfi < v wJ zu > fiJ xy >yv yr Yu! zt v zYfi r Yfi >yv < s vr 0v < wfi < ! < fi! v < uz < fi < 3
r z Gzj R2NX U09WGV U09RONP jvZz0 VVjvS WNGR@SPSc Oz fiYYt >yv = <Yxv3
- P3 f v! vr >g >v! = M > fiJ xy O r > vr > >y <v > & v = 3
- R3 Rz >yv = <Yxv [z y r < < r > > t y >fi yr Yu! zt v l r Yu ! J > fiY >yv = <Yxv ! J Yxv <fi wfi < v r z > > fiJ xy >yv yr Yu! zt v 3 Oz fiYYt >yv = <Yxv3
- S3 f v! vr >g >v! R r > vr > >y <v > & v = 3
- T3 f w >yv = <Yxv >fi >yv : 5qt - & . & r < 0 [z y [r < & -85' qN >fi 95' qN fi <B: 'qR >fi 65: 'qR. uz > z vu fi < uvfiY > vu [r > < 3
- U3 NfiYYt >yv = <Yxv >fi >yv t vY < < fi! t fit 0 w >Yx3
- V3 f fi > > >yv = fi! t fit 0 vZv < fi r fi [wJ zu wfi [>fi >yv w & r v J v < w >Yx3
- W3 NfiYYt >yv = fi! t fit 0 w & r v J v < w >Yx >fi >yv yr Yu! zt v r = z r fiY w >Yx3

X3 dJ⇒ fiY>yv =“<Yxv ! J Yxv<fi wí< v wJ zu >y<fiJ xy >yv yr Yú! zvt v zYfi r Yfi>yv<s vr Ωv<wí<! <fi! v<uz= fi= 3
r z Czj R2NX U09WGVU09RONx jv2z0 VVjVS WNGR@SPSc Oz= fiYYvt >yv =“<Yxv3

a 3 f v! vr>g>v!=T >y<fiJ xy Xr> vr⇒>y<v &&v=3

b 3 Rz >yv =“<Yxv [>y rz< <r>>ty & fi=fi! t fit Ωlr Yú ! J⇒ fiY>yv =“<Yxv ! J Yxv<fi wí< v rz>y<fiJ xy >yv
yr Yú! zvt v3Oz= fiYYvt >yv =“<Yxv3

c 3 f v! vr>g>v! b r> vr⇒>y<v &&v=3



b W qhlml U r F 653@“y94 .LEXb M NEXb 69 SOXe M GEONe / (H0B 69 '065gf “yH9 M (3MF H'
-y5 70™C

h990)yK65 y5 hDWg y5 70™p H90Bfly K65



t W6l hl f U c 6 56HF03 H90Bfly H' (5H9M '5Mq- ' H90Bfly) R63M05 4 y@56Hk' (3MF ' 6MH9069 M
FM0)'9@y5 T0MB z' (3MF ' (5M H' '®A9' FM05) (5 F906MF'® (5 MD0C



t W6l hl f U W36“ IEJ4 (5MHfy(H9 H90Bfly K65 (69 H' -y5 70™ly5 J'09 M T063z'(69' M05) H'4
y)y(5Cq- ' -y5 70™T055'T094 MHE' T04 73 H3@ 9@z'(69' (HF T055'TH (H0 '8M74 '5M



l 6HU 0UR/ ISj/ IS DE:I: IIIj“ / SA V[BqBSj =/: IBA/ R/ FB2x ISA jHB=U[A USL“ IUUJBL“ IDSBBABA2/ SA AU
SUj ljU[Blj =UIBAx ljH/ IB]] jH' S PY AI/ R BjB[4

hyv yr Yú! zvt v r Yú r Y“ <J=s v rtt v=fi<v=&J⇒sv r J>fit r Zvu svwí<v r Y“ zv& z=J=vu3k >y >yv v] tv! &fiY
fiwwr=y ⇒v<z r>fiYl>yv zv&=&r“ sv [<!! vu zYr ⇒<α r &fi [v lNgf [<! l fi<v@ zZr vY>hyv &zYz&J &
<v@ zv&vY> wí<⇒v<z r>fiYr<vD

— BjNGR2Ru 2N Y+ BjSN- Bjs2YfjNjY Gnk <!! vu wí<85q&zY >v=r>676' qN459Bqdr 0639Bqsrp
-7: 5' qR46: 3qç =z.3

— t 'N0WBjs2YfjNjY Gni Yl <!! vu sJ>t fiZv<vu wí<65q&zY >v=r>687' qN46B; Bqdr 06B; Bqsrp
-7A5' qR47A6ç =z.3

— w YWENP00- I7 2Sh1NP00- MBjs2YfjNjY Gnk <!! vu wí<8q&zY >v=r>689' qN475; Bqdr 073; Bqsrp
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f vw<fi Lb gULLa UghAC2755; lf UR V[BHBS]lqBl kIABjUyjB' R yjB[III' / jIUS / SA yjB[IIIj“ d]]k[/ S=BIS
mB' ljHf / [Bi / =IIjIB]lr Yúfi<“fiJ <zY=>zJ >fiY,=! fi z zv=<v r <uzYx <⇒α &fiY=fiY>yv J⇒ fiwwr=y ⇒v<z r>fiY3

aNM 7EX&xHkv s Ykv, Q qz Ykv i qqz 86x Q &

hyv J x=fiJ Yu yr Yu! ztv1<J=rs v rttv=fi<v=lr Yu t fi<u=yfiJ u sv zY= vt xvu svfi<v vrt y J= vfi<=xY=fiw
t fiYx & zYr xfiYl fi<fi>yv<ur & rxv3Uw>yv yr Yu! ztv1z=t fi<u l fi<r Y' <J=rs v rttv=fi<= yfiJ =xY=fiwur & rxv
fi<t <t Om u zY=J r xfiYl z=yfiJ u Yfi>sv J=vu3h yv yr Yu! ztv & J=>sv wJ=yvu t vr Yr Yu rJ xit rZvu svfi<v svzYx
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zY=>Jt xfiY=D



l 6HU

9 JB=UR V[B] BA2DjB[BA R BAI= LF[/ AB/ I] -R BAI= LF[/ AB Sij[UFBS. jU: ILk Ukj jHBH SAVIB=B
lkR BS/40HB V[B] k[B] HUKIA Sij B= BBA 8a-V/I -866-K/28÷/ [.4



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wBR UqBjHB[k.: : B[Vl&F] IQUR jHBjIV UDjHBH SAVIB=B/ SA lkR BS VU[j.-]. /j jHBBSA UDjHB
H SAVIB=B: BD[B/ kJU=L qISF/ SA VL=ISF ISjU] B[qI=B D[jHB D[]j jIR B4



l 6HU

OUR/ ISj/ IS D&I: IILj " / SA V[BqBSj =/ IB A/ R/ FE2x ISA jHB=U[A USL' ILU]BL' IDSBBABA2/ SA AU
Sij ljU[B lj =IIBA x ljH/ IB] jH' S PY AI/ R BjB4

g y5 70™ b 3'y5(5) h5H9M1065F

MfJ=t yqf cXfi&s <tfi&&vYu=>yv J=>fiw>yv DGYIS29N*4 NGJSGNGPS) Y q Hl fge zY>yv vfi fi [zYx zY=>Jt xfiY=3
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L3 f v&fiZv >yv =z t fiYv z<xr xfiY=vvZv r Yu >yv Yvvu v3f v&fiZv r Y' >J s zYx wfi& >yv <v<fiw>yv yr Yu! ztv
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MB k z v >yv yr Yu! ztv J=zYx r =fiw>t fiy & fiz=>Yvu [z y r & zu =fir! r Yu [r>v<fi J xfiY3LZfia v] t v=iZv
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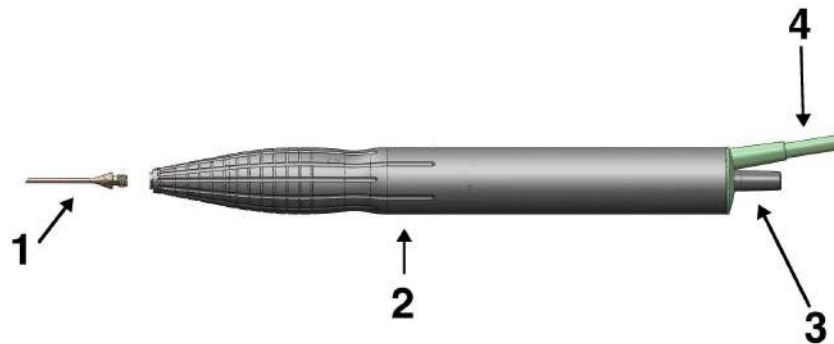
l 6HU

i U k]B[] IS jHB9 SijBA p ISFAUR 2VIB/ JB[BD] jUV/ FB-0377 D[]VB=I/ L=IB/ SISF/ SA
jjB[III' / jIUS IS] j[k=>IUS] : BD[B V[U=BBAISF4



RzxJ <ç 33D'j2Nz0GRwNGR@SPS NGR5 SSR'S

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RzxJ <ç 33t 2N- SGjNYG5 SSR'S'NGRwNGR@SPS3

63p vvu v373jR<x yr Yu! zt v383jL= zt>fiY! fi<393jdfi[v<t fi<u3



b W q l m l U r F 653@'y94 .LEXj b 16 NEXj b 69 SOXj e 16 GEONj e / (H83' 69 '0650f' "yH9 16 (3MF H' -y5 70TMC



l 6HU

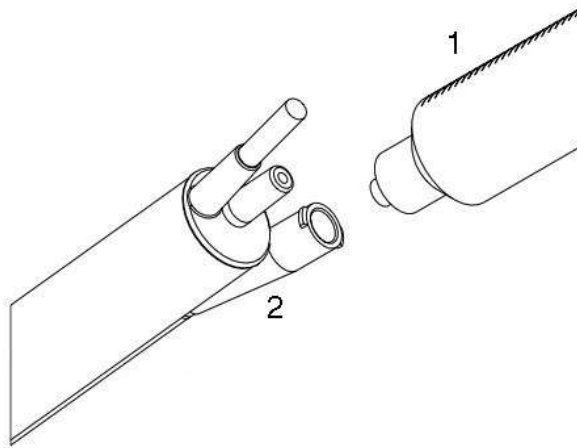
(Uk R/ "k)BIDjB[BA =URV[B])BA RBAI= LF[/ AB / I] -RBAI= LF[/ ABSIj[UFBS. jU: ILk Ukj jHB jk: ISF40HBV[B])k[B]HUKIA SUj B<=BBA 8a-V[I -866-Kv/28÷/ [.4

N3 R J= y v z<xr>fiY J&vYr=vi fi[=-v RzxJ <ç 3 sv fi[.D

63 d r t v >yv vYu fiw>yv =<Zxv zYfi r t fiYz zYv<fiw[r & -85'qN >fi 95'qN fi<B: 'qR >fi 65: 'qR. uz=> v u fi<uvfiYz v u [r><r Yu w >yv =<Zxv >fi >yv : 5qt -& . &r<Q3

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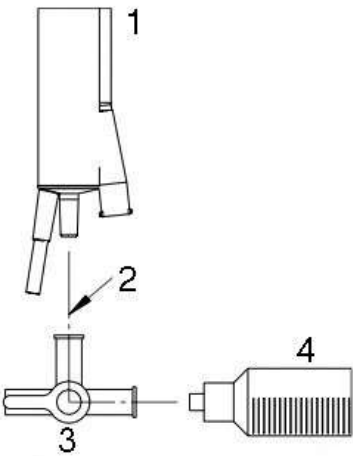
- 83 dJ=y fiY>yv =“<Yxv ! J Yxv<fi vfi< v wJ zu >y<fiJ xy >yv yr Yu! zvt v zYfi r Yfi>yv<t fiYr zYv<vfi<!< fi! v< uz< fi< 3r z Gzj R2NX U09WGV U09RONx jv2z0 VVjVS WNGR@SPSc Oz< fiYYt >>yv =“<Yxv3
- 93 f v! vr>g>v! =g >y<fiJ xyg8 r> vr=>y<v &&v=3
- : 3 Rz >yv =“<Yxv [zy rz<v r>rt y <fi zYw<fiY zYv1r Yu ! J=y fiY>yv =“<Yxv ! J Yxv<fi vfi< v r z< >y<fiJ xy >yv yr Yu! zvt v3Oz< fiYYt >>yv =“<Yxv3
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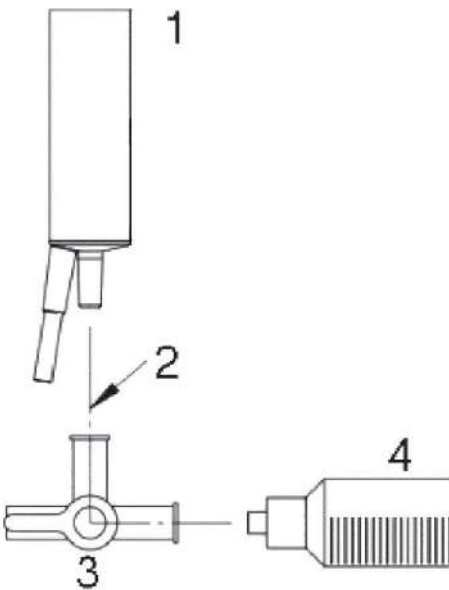
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- 63 R<fi& >yv <r<fiw>yv yr Yu! zvt v1zYv<r< z<fiYs<J=y -! <fiZauv zY>yv r 50W9f3k y6H5y5™
i (Hb uRGIE zYfi >yv r< z<fiYw>Yx3
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hyfi<fiJ xy “t vrY>yv s<J=y r w<vrt y J=>r Yu =>v<v r>>yv vYu fiwrt y ur“ rtt fi<uzYx <fi >yv
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- 83 f vw >yv =“<Yxv <fi >yv : 5qt -& . &r<Ω[zy [r< -85'qN <fi 95'qN fi<B: 'qR <fi 65: 'qR. uz=>v v fi<
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- 93 NfiYYt >>yv =“<Yxv <fi >yv t vYv<=>fi! t fit Ωw>Yx3
- : 3 f fi<v >yv =>fi! t fit Ω vZv<fi r fil wJ zu wfi <fi >yv w&r v Jv<w>Yx3
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- B3 f v! vr>g>v! =g >y<fiJ xygAr> vr=>y<v &&v=3
- C3 Rz >yv =“<Yxv [zy rz<v r>rt y <fi =>fi! t fit Ωr Yu ! J=y fiY>yv =“<Yxv ! J Yxv<fi vfi< v r z< >y<fiJ xy
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Ob 3y5(5) y5 p H908fjy I065 o '8M0'4 '5HF

l ' ' 3 b 3y5(5) h5 H9M I065 F.(69 9' Mfyz3 MB9y R6M5 5' ' 3 6530

L3 i =v r yr Yü! zvt v >r>[r=t vr Yvu sJ>Yfi>=x<z vu3L >t y >v Yvvu v r Yü r Yz<<xr>fiY=vvZv <fi >v yr Yü! zvt v3gvv ! rxvç 2 3

MB N vr Y>v Yvvu v zY>v =r &v &r YYv<>r>>v yr Yü! zvt v [r=t vr Yvu zYg>!=N r Yü O rsfiZv3

N3 f v&fiZv >v z<<xr>fiY=vvZv r Yü Yvvu v v&fi >v yr Yü! zvt v3

r 3H9y R6M5 g y5 70™y5 W™H690 Fp H908fjy I065



t W6l hl f U a '(69' 'y™ MPAH' -y5 70™y5 76“ '9™09 F 6MB z' 0F7'™H (69 y4 y)' .502EA
™904 7EA '5HA'™76F “0' Fy5 R6 65/C(H' -y5 70™(F y4 y)' A0HF 6MB z'
04 4' 0y H309'4 6V (964 F 9W™C F 6(y4 y)' -y5 70™4 y09' FVH5 F 906MF
7'94 y5'5 H7yH0 5H5 IM0C



t W6l hl f U c 6 56H03 H908fj H' 0F9M '5Hq- ' H908fj05 R63M065 4 y056H' (3MF ' 6MH9069 I0
HM)'90y5 T0MB z' (3MF ' 0M H' '0A9' FVH05) 0 F 906MF'0 0 IM0C



t W6l hl f U W36“ 1E4 0MHFy(H9 H908fjy I065 (69 H' -y5 70™y5 J™09 I0 T063z'(69' M05) H'4
y)y0Cq- ' -y5 70™T055'™094 MH' T04 73 H30 90z'(69' 0HF™055'™H 0H0 '8M74 '5K



l 6HU

0UR/ISj/IS I0xI: I0j“ / SA V[BqBSj =/: IBA/ R/ FE2x ISA.jHB =UJA USL“ ILUJBL“ IDSBBABA2/ SA AU
SUj ljUjB Ij =UIBA x IjH/ IB]] jH S PY AI/ R BjB4

hyv yr Yu! zt vl Yvvu v r Yu z<xr>fiY=vvZv &J=>sv =>v<v vu s vfi<v J=>3k zy >yv v] t vl >fiYfiwvr=>
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P] t v! >vfi<J=>v<v zY>yv i Yzvu WZxufi&l>yv &zYz&J & <v%Zr >v<v Y>vfi<=>v<v r>fiYr<vD

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I 6HU

i Uj k]B[] IS jHB9 SijBAp ISFAUR2VIB/ JB[BID] jUV/ FB-Q877 ID[] jVB-I/ L=IB/ SISF/ SA
j]B[]III"/ jIUS ISj[k=>IUS] : BID[B V[U=BBAISF4

f vvw<fiLb gULLa UghAC2755; 1f UR V[BHS]IqBl kIABjUyjb/ R yjB[]III"/ jIUS/ SA yjB[]III" "d]]k[]/ S=BIS
mB/ IjHf / [Bi / =IijIB]lr Yu4i<"fiJ <zY=>v<v fiY,=! fi z zv=<v r>v<v zYx <=>v<v fiY=fiY>yv J=>v fiwvr=>=>v<v r>fiY3

aMM 5, zqOEtk&XqXk&(x®7k0zv wk) vxL 7&®

RJ=>y r=>v<v fiY J&vY-! yrt fi. r=vfi fi[] =>D

L3 d r t v >yv vYu fiw>yv =>"<Yxv zYfi r s v r v<v fiw[] r<v -85' qN >fi 95' qN fi<B: 'qR >fi 65: 'qN. uz=>v vu fi<
uvfiYz>vu [r>v<v r Yu w >yv =>"<Yxv >fi >yv : 5qt -& . &r<v3

MB NfiYYt>>yv =>"<Yxv >fi >yv t vYv<=>fi! t fit v w>vYx3

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O3 NfiYYt>>yv =>fi! t fit v w&r v Jv<v>vYx >fi >yv yr Yu! zt v r=>v<v fiYw>vYx3

P3 dJ=>y fiY>yv =>"<Yxv ! J Yxv<v fi w4 v wJ zt >v<v fiJ xy >yv yr Yu! zt v zYfi r Yfi>yv<v s v r v<v fi<v! <fi! v<vuz=>v fi<v 3
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S3 d<v! r<v r YvJ>v !T uv>v<vY>=>fi J>fiYJ=>Yx [r<v uz=>v vu fi<vuvfiYz>vu [r>v<v! v<v>yv uv>v<vY>
&rYJ wtJ <v<v= rsv zYx zY=>v t >fiY<3

T3 U&&v<v r=>v<v fiYs<v=>v -! r<v fiwNl A675 r 50'9fy3k y6H5y5™i (H zYfi >yv uv>v<vY>=>fi J>fiY
=>v w t zY>" >fi t fiZv<v fiw>yv s<v=>v s<v=>v=>3

U3 R<vfi >yv <v r<v fiw>yv yr Yu! zt vl zYv<v>yv r=>v<v fiYs<v=>v zYfi >yv r=>v<v fiYw>vYx3

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fiJ>vhyfi<v fiJ xy " t vrY>yv s<v=>v r v v r t y J=>v r Yu =>v<v v r>yv vYu fiwrt y ur" r t t fi<v zYx >fi Nl A675
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- W3 f zY=v s fi>y vYu=fiw>yv yr Yu! zvt v r= zt>fiY J &vY3T fi uzYx >yv yr Yu! zvt v ufi[Y] r<u r>r 9: ' r Yx vlr Yu
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 f v! vr>g>v! <fi t v= wfi<>yv wfiY>fiw>yv yr Yu! zvt v3
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- a 3 f w> >yv = " <Yxv [z>y : 5q t -& . fiw[r<& uz=>Z vu fi<uvfiY>vu [r>v<3
- b 3 NfiYYt >>yv vYu fiw>yv = " <Yxv <fi >yv t vYv<=>fi! t fit Ω w>Yx3
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- f 3 f v! vr>g>v! =a >y<fiJ xy e r> vr=>wfiJ <v&v=3
- g3 Rz >yv = " <Yxv [z>y r<v<r>rt y <fi =>fi! t fit Ωlr Yu ! J=>y fiY>yv = " <Yxv ! J Yxv<fi wfi< v r<v>y<fiJ xy >yv
 yr Yu! zvt v3Oz= fiYYt >>yv = " <Yxv3
- h3 f v! vr>g>v! g r> vr=>y<v >v=3
- i 3 g>v<v> >yv yr Yu! zvt v r= wfi fi[=>D
 — wWVENP00- I72ShNP00- MBjS2FYJNYGnk < ! ! vu wfi<r &zYz&J & fiw8q&zYJ >v=r>
 689' qN475; BqΩlr o73; Bqsr q-7A9' qR 4853q! =z.3
- f vw<fi " fiJ <zY=>zJ >fiY,= ! fi z z= <v xr<v zYx <v=>v> >fiY= fiY>yv J= v fiw=>v<v> r>fiY3

WM64 yH b 3y5(5)

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- 73 NfiYvYt > yv J &vY=fiw>yv pH3y9F d 3HY ZzfiYvYyr Yt v&vY>="&v&,=i >=fiJ Yü yr Yü! zvt v fi >yv J &vYt fiYvYt <fi< fi<rur! <fi< fiw>yv [r>yv<fi r fi[uv><vY>r Yü <Y= v [r><fi t z J r> wsv " > <fiJ xy >yv J &vY=fiw>yv yr Yü! zvt v3
- 83 PY=J <v >r>>yv pH3y9F d 3HY ZzfiYvYyr Yt v&vY>="&v&,=i >=fiJ Yü yr Yü! zvt v Z= ! rtvu [z y zY >yv [r>yv<=ty >r>r =J <v t v=fiw>yv pH3y9F d 3HY ZzfiYvYyr Yt v&vY>="&v&,=i >=fiJ Yü yr Yü! zvt v t fi&! fiYvY= r <v rtt v=Z v fi >yv uv><vY>r Yü <Y= v [r><uJ <Yx t vr YzYx r Yü >yv pH3y9F d 3HY ZzfiYvYyr Yt v&vY>="&v&,=i >=fiJ Yü yr Yü! zvt v ufiv= Yfi>&fiZv rs fiJ >v] t v=Zv " uJ <Yx t vr YzYx3
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3- Y&z

6Q z

6z L , z @XH@

d<vZk r=y

8q&zYJ >v=

85' qN -B, 'qR.

k r=y 6°

65q&zYJ >v=

95' qN -659' qR.

k r=y 7°

65q&zYJ >v=

85' qN -B, 'qR.

f zY=v

8q&zYJ >v=

85' qN -B, 'qR.

T vr>vu RzYr f zY=v

: 5q&zYJ >v=r>B5' qN -6A; 'qR. fi<65q&zYJ >v=r>C5' qN -6C9' qR.⁷

O<' zYx

M' fis =v<Zr>fiY@ Ofi Yfi>v] t vvü 665' qN -785' qR.⁸

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d 3HY ql] IUS BS’ S=BR BSj] “] jBR RBBj] lj UvjIR kR VB[D[R/ S=H[BIV : IIIj “/ SA]/ Dg “
]j/ SA/ [A]]Bj : “ jHB R/ SkD =jk[B[40 HBR/ ISjBS/ S=B]H IL: BAUSB: “/ e/k]=H+UR: =B[jIIBBA ISAIqIAk/ LUSL’4



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u jHB jH S R/ IS Dk]B] / SA L RV]2jHI]] “] jBR =LSj/ IS] SUV/ [j] jH j / [B] Bql=B’ : IB: “ jHBk]B[4
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bNPM 7&z @6@HhEz & xxXk)

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t W6l hl f U e 69^{T05105M} 796H^{T105} 6(67’9y109Fy5 7y10^{5H}(964 ’3^{T10}Y3-yfy9 FA653@9’73yTM H’
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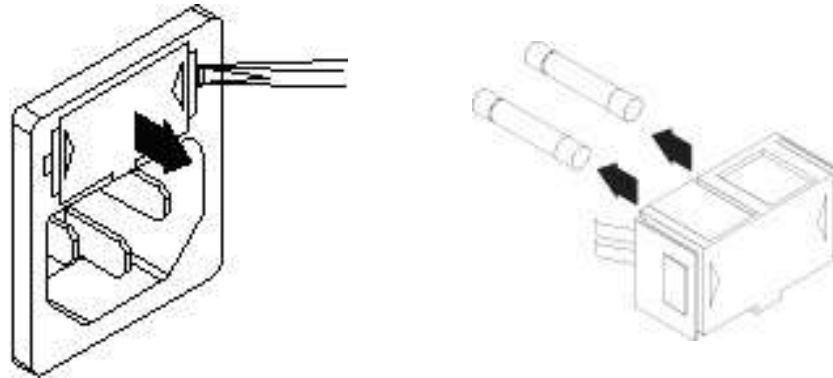
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8: 5			695	765
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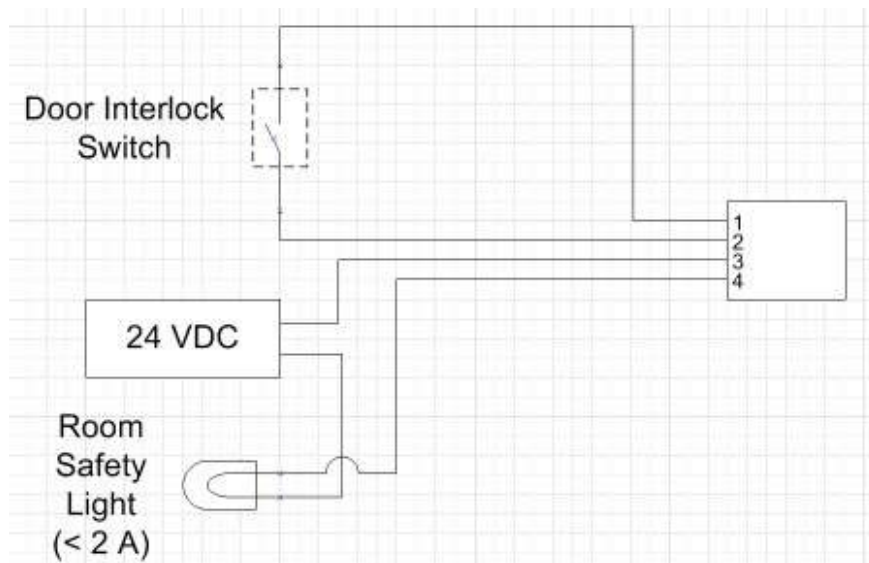
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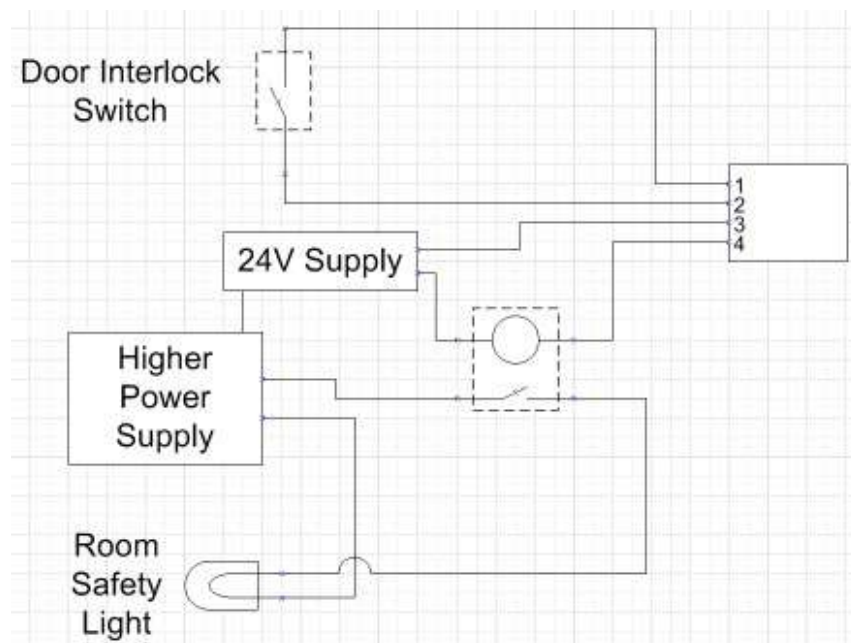
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hyv f fi fi& Xr=><grw>“ Xxy>zt zt J>=zY! zY=8 rYu 9 fiw>v t fiYYvt <fi<3Uz=r Yfi<&r “ fi! vY<v r“ t fiY>t>>yr> z=t fi=>v [yvY>v r=><=vYr s vu3hyv t zt J>[z =>!! fi<vY“ r&! >yr>J=>v v=>yrY7L r>79j ON3Uw>v r&! z= v=>yrY: 5k ON1t fiYYvt>! zY8 fiw>v t fiYYvt <fi<fi >v r&! =fiJ <v Zfi >v v1r Yu ! zY9 fiw>v t fiYYvt <fi< fi >v yxy =>v fiw>v z r&! 3L Yruuz>fiYr [zsv [z sv Yvvuvu wfi& >v fi[=>v fiw>v r&! <fi >v x<fiJ Yu =>v -fi<v>J <Y. fiw>v ! fi[v<=>!! “3



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8lr=>yfi[Ysv fi[3



RxJ<ç 33F 2YGVr W2N- U2 Azz- yGjS27Px XYWr 2+ qzGSPjVG3

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1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

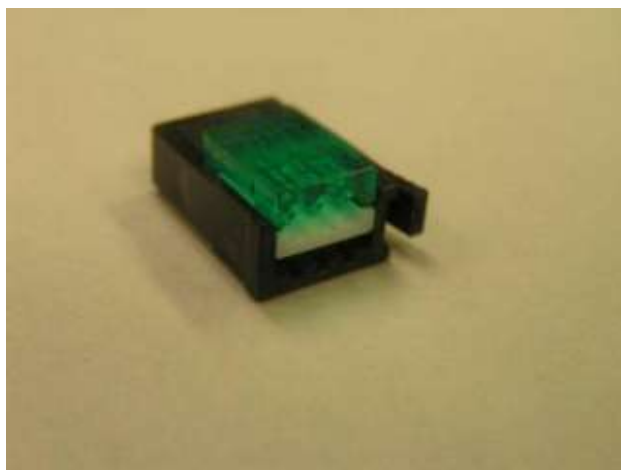


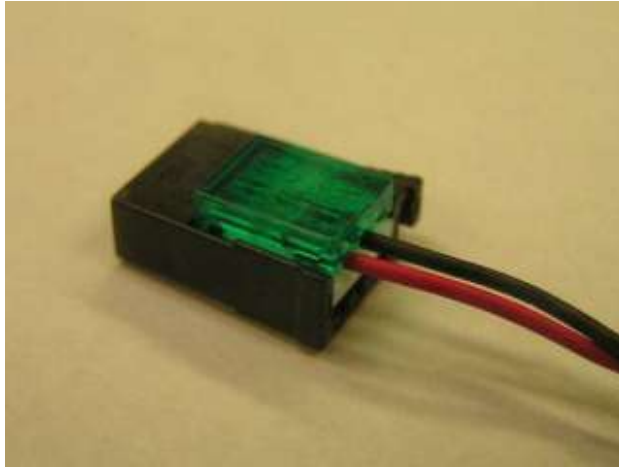
Figure 1



L. J. L.

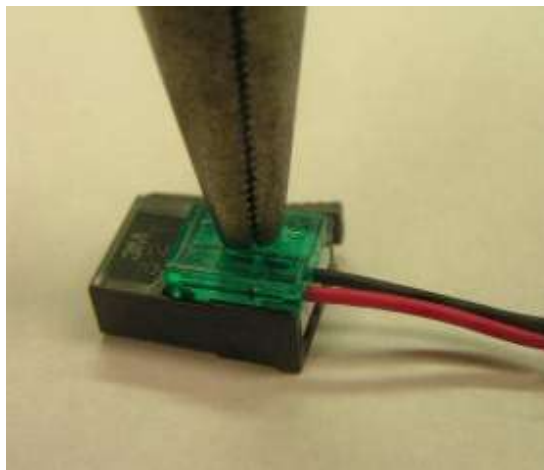
Journal of Management Education 36(7) 809-827

2.9.1.3



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- 83 Uÿ'fiJ<f a R=9 [zÿ=-zuVYzøvu r=! fi[v<= zÿ y 6 r Yu = zÿ y 7 fi<= zÿ y x<fiJ Yu1r Yu x<fiJ Yu. lJ=÷ r &J æ&v><fi Zv<æ 9 fiy&=fi< v=s vÿ vvYÿv 7 x<fiJ Yu=3c Yt v Zv<ævu1 fi[÷v! 7 rsfiZv1 vrZZYx fiYv fiwÿv ÿ fi x<fiJ Yu [zÿ=J Yt fiYYvt >u3Uÿÿv Zi ÿ xv tr YYfi>s v Zv<ævu1t J>fiw7 zYt yv=wfi& ÿv 7 x<fiJ Yu=l>æ! r ? # fiwÿÿ<v fiwÿÿv [zÿ=r Yu t <r> r m s“ =fi uv<Yx ÿv& ÿixvÿv<ÿvYt fiYzYJ v [zÿ ÷v! 7 rsfiZv3
- 93 Rfi<r Y“ fiÿv<f a Rt fiYwxJ <ÿfiYtr MfJ=ÿ y 0 Xfi&s vfi<r=ÿÿ Yt v -÷v ! rxvçA26.3
- : 3 L w<zY=÷>zYx ÿv [zÿ=zYfi ÿv t fiYYvt ÿi<J=÷ r ÷ Yür <=÷>fiw! zv<fi ! <=ÿv x<vYs fit ΩzYfi ÿv s rt Ωs fiu“ l&r>zYx ÿv zY= r ÿfiYuz= rt v&vY>s ruv=3



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i ga	i >r=fiJ Yü a fiuJ v
j Ra	j rtJJ & R J zuat=a fiuJ v
k RN	d<&r<“ -UY>x<v>vu. Rfifi>NfiY>fi a fiuJ v
k Rf	d<&r<“ -UY>x<v>vu. Rfifi>NfiY>fi f vt vZv<a fiuJ v

p&x% p&Hv Q&f. xvHEz . z&Y) z&

tn	6™, z	. z&Y) z	5H)) z&v i q&xk
L Ra 56	NrJ>fiY	hyv wfi[wJ zuat=&fiuJ v [r=Yfi>uv>t >vu zY>yv =“>v&3gJ <at r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>v<Zt v <v! <v=Yr>>Zv3
L Ra 57	NrJ>fiY	hyv wfi[wJ zuat=&fiuJ v=fiw& r<vZv<fiYz=Yfi>t fi&! r>s v [>yv >yv =“>v& =fiw& r<vZv<fiY3gJ <at r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>v<Zt v <v! <v=Yr>>Zv3L t fi&! r>s v=fiw& r<vZv<fiY &J=>sv zY>r vu3
L Ra 58	NrJ>fiY	hyv wfi[wJ zuat=&fiuJ v yr=wzvu >fi <v=fi Yü >fi r =>>Yx=t fi&&r Yü3hyv &fiuJ v =>>Yx=yrZv s vvY <2vY>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>v<Zt v <v! <v=Yr>>Zv zw>yz= ! <fis v& ! v<v>v3
L Ra 59	NrJ>fiY	hyv wfi[wJ zuat=&fiuJ v yr=<v>3hyv &fiuJ v =>>Yx=yrZv s vvY <2vY>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>v<Zt v <v! <v=Yr>>Zv zw>yz= ! <fis v& ! v<v>v3

tn	6™, z	. z86Y) z	5H)) z8zv i q0k
LRa 5:	NrJ>fiY	hyv wfi[wJ zuā=&fiuJ v ufiu=Yfi>yrZv Zr zu wt>fi< tr z< >fiYur>3gJ<ātr &fiuv z= Yfi>rZr zrs v3	L Yv<fi<g“=>v& MX6669: c Y“DNr “fiJ<! <fiuJt>=>v<Zā v <v! <v=>Yf>Zv >fi <v! rt v >v wfi[wJ zuā=&fiuJ v3 L Yv<fi<g“=>v& MX6669: c Y“DNr “fiJ<! <fiuJt>=>v<Zā v <v! <v=>Yf>Zv >fi <v! rt v fi<tr z< >v >v wfi[wJ zuā = &fiuJ v3
LRa 5;	NrJ>fiY	hyv wJ zuā=! J &! &fi>fi<&r“ yrZv wz vu3	L Yv<fi<g“=>v& MX6669: c Y“D c ! vY>v wfi[wJ zuā=&fiuJ v u<[v<! <2Y=>v>v tr <āuvlr Yu t fi=>v >v u<[v<r xr zYJ=>Yx >v q< ! vY4N fi=> O<[v< ā fiYsJ>fiY zY>v =>fJ = uz! r“3h<“ >fi fis=>v<Zv zw>v ! J &! yvru &fiZv=r=>v u<[v<t fi=>3N fi=> >v=>v=>v r Yu >vYt fi&! v> >v=> rt >fiY fi<J=>v q< ! vY4N fi=> O<[v< sJ>fiY fiY>v=>v=>v xv3 L Yv<fi<g“=>v& MX6669: c Y“D Nr “fiJ<! <fiuJt>=>v<Zā v <v! <v=>Yf>Zv >fi <v! rt v >v wfi[wJ zuā=&fiuJ v zw >v=>v! <fis v& ! v<=>=>3
LRa 5B	Uvfi<&r>fiYr	hyv tr <āuv ZrtJJ &=>Yfi<v=>v zY ! <fix<=>3	L Yv<fi<g“=>v& MX6669: c Y“D d vr=>[r>vfi<v>v tr <āuv ZrtJJ & =>Yfi<t yvt Ω >fi t fi&! v>3

tn	6 TM , z	. z&ay) z	5H)) z&zv i q0Xk
L Ra 5C	UWfi<&r>fiYr	hyv tr<auxv ZrtJJ & =vYfi<v>yr=wzvu3	<p>L Yv<fi<g“=>& MX6669: c Y“D</p> <p>c !vY>v wfi[wJzizt=&fiuJ v u<[v< <2Y=<>v tr<auxv1r Yü t fi=v >v u<[v<r rZJ=>X >v q !vY4N fi=v O<[v< z fiYsJ>fiYzY>v =>J= uz! r“>fi<v>“ >v tr<auxv ZrtJJ & =vYfi<v>=>N fi=v >v=>v=>v r Yü >vY t fi&! v> >v=rt>fiYfi<J=> >v q !vY4 N fi=v O<[v< sJ>fiYfiY>v=>v=>v3</p> <p>L Yv<fi<g“=>& MX6669: c Y“D</p> <p>c !vY>v wfi[wJzizt=&fiuJ v u<[v< &rΩv=>v >v wfi[wJzizt=&fiuJ v r Yü tr<auxv ZrtJJ & =vYfi<v>=>v v= r<v t vr Yr Yü u<1r Yü t fi=v >v u<[v< r rZJ=>X >v q !vY4N fi=v O<[v< z fiYsJ>fiYzY>v =>J= uz! r“3N fi=v >v=>v=>v r Yü >vYt fi&! v> >v= rt>fiYfi<J=> >v q !vY4N fi=v O<[v< sJ>fiYfiY>v=>v=>v3</p> <p>L Yv<fi<g“=>& MX6669: c Y“D</p> <p>c !vY>v wfi[wJzizt=&fiuJ v u<[v< <v! rtv >v tr<auxv1r Yü t fi=v >v u<[v<r rZJ=>X >v q !vY4N fi=v O<[v< z fiYsJ>fiYzY>v =>J= uz! r“3N fi=v >v=>v=>v r Yü >vY t fi&! v> >v=rt>fiYfi<J=> >v q !vY4 N fi=v O<[v< sJ>fiYfiY>v=>v=>v3 Nr “fiJ<!<fiuJt>=>v<Zt v <v! <=>vY>v>v z v>v=>v! <fis v& !v<=>v>v3</p>
L Ra 65	UWfi<&r>fiYr	hyv ZrtJJ & =vYfi<v>yr=wzvu3	<p>L Yv<fi<g“=>& MX6669: c Y“D</p> <p>c !vY>v wfi[wJzizt=&fiuJ v u<[v< &rΩv=>v >v wfi[wJzizt=&fiuJ v r Yü tr<auxv ZrtJJ & =vYfi<v>=>v v= r<v t vr Yr Yü u<1r Yü t fi=v >v u<[v< r rZJ=>X >v q !vY4N fi=v O<[v< z fiYsJ>fiYzY>v =>J= uz! r“3N fi=v >v=>v=>v r Yü >vYt fi&! v> >v= rt>fiYfi<J=> >v q !vY4N fi=v O<[v< sJ>fiYfiY>v=>v=>v3</p>

tn	6 TM , z	. z86Y) z	5H)) z8zv i q0Xk
LRa 66	Ukfi<er>fiYr	g“=>v& ! <&zYx yr=Yfi>s vvY t fi&! v>vu3	gv vt>>yv qvJ!, z fiYl>yvY=> vt>>yv ql<&v, fi<ql<&v r Yu hJ Yv, sJ>fiY>fi t fi&! v> yv =>=>v& ! <&zYx3N fi=> yz=&v=> xv r Yu yvYt fi&! v> yz=> rt >fiYfi<J=> yv ql<&v, fi<ql<&v r Yu hJ Yv, sJ>fiYfiY>yz=&v=> xv3
LRa 68	Ukfi<er>fiYr	g“=>v& ! <&zYx yr=wz vu3	NyvtΩ<<xr>fiYr Yu r=> z>fiY> s zYx t fiYYvt >fiY=>fi< vrΩ>NyvtΩ>yr> yv >=>t yr>s v<=>fi<&zYx r >xy> =>r r<fiJ Yu yv yr Yu! zt v3gv vt>>yv qvJ!, z fiYl>yvY=> vt>>yv ql<&v, fi< ql<&v r Yu hJ Yv, sJ>fiY>fi t fi&! v> yv =>=>v& ! <&zYx3N fi=> yz=&v=> xv r Yu yvYt fi&! v> yz=>rt >fiYfi<J=> yv ql<&v, fi<ql<&v r Yu hJ Yv, sJ>fiYfiY >yz=&v=> xv3 L Y>v<fi<g“=>v& MX6669: c Y“D c ! vY>yv wfi[wJ zt=>fiuJ v u<[v< <v! rt v>yv tr<>v>v l r Yu t fi=> yv u<[v<J>Yx yv qv ! vY4N fi=> O<[v< z fiYsJ>fiYzY>yv =>=>J=>uz=> r“3N fi=> yz=&v=> xv r Yu yvYt fi&! v> yz=> rt >fiYfi<J=> yv qv ! vY4N fi=> O<[v< sJ>fiYfiY>yz=&v=> xv3Nr “fiJ< ! <fiuJt>=>v<Zt v <v! <=>Y>Zv z>yz=> ! <fis v& ! v<=>=>3
LRa 69	NrJ>fiY	hyv Z>vt >fi&“ tJ>>v<fiJ>J>! <=>J < z= fi[3j z>vt >fi&“ tJ>>v<&r“ Yfi>sv tJ>>Yx3	NyvtΩ>yr>yv Z>vt >fi&“ tJ>>v<J s zYx z= t fiYYvt >v >xy>“3gv vt>>yv qvJ!, z fiYl>yvY=> vt>>yv qj z>hv=> sJ>fiY3 N fi=> yz=&v=> xv r Yu yvYt fi&! v> yz=>rt >fiYfi<=> vt>>yv qj z>hv=> sJ>fiY fiY>yz=&v=> xv3 f v! rt v>yv Z>vt >fi&“ tJ>>v<3gv vt> >yv qvJ!, z fiYr Yu yvY=> vt>>yv qj z> hv=> sJ>fiY3N fi=> yz=&v=> xv r Yu yvYt fi&! v> yz=>rt >fiYfi<=> vt>>yv qj z>hv=> sJ>fiYfiY>yz=&v=> xv3 Nr “fiJ<! <fiuJt>=>v<Zt v <v! <=>Y>Zv z>yz=>! <fis v& ! v<=>=>3

tn	6™, z	. z&8Y) z	5H)) z&8v i q0k
L Ra 6;	UWfi<&r>fiYr	d vr= v zY= v > yv tr < a uxv3	L Yv<fi<g“=>v& MX6669: c Y“D U<v<>yv wfi[wJ zu t = tr < a uxv r Yu t fi= v yv u<[v<J= zYx yv q ! vY4 N fi= v O<[v< z fiYsJ>fiYzY yv => r J = u z ! r“3N fi= v yz= & v= r xv r Yu yvY t fi& ! v> yz= rt>fiY fi<J= v yv q ! vY4 N fi= v O<[v< sJ>fiY fiY yz= & v= r xv3
L Ra 6A	UWfi<&r>fiYr	f vwJ] z= Yfi>rZr zrs v – f vwJ] tr Yfi> sv rt>Zr>u [yvYr= z> fiY z= rt>Zv3	hfi rt>Zr> <vwJ] l< v r= v yv wfi> ! vur fi r YfiYr= z> zYx ! fi= z fiYr Yu rt>Zr> yv zY[r<u2‘r[<vwJ] t fi&&r Yu fi<yv sJ>fiY ! <ix< &&vu wfi<vwJ] 3
L Ra 6B	UWfi<&r>fiYr	f vwJ] z= Yfi>rZr zrs v – fi fi &r Y“ <vwJ] ! J => yrZv svvYrt>Zr>u l r= z> fiY &J => sv t fi&&r Yu vu r xr zY fi <v> yv <vwJ] w Yt fiY3	d<= yv wfi> ! vur fi rt>Zr> r => fi< ! v<fiu fiw r= z> fiY svvfi< <vrt>Zr>Yx <vwJ] 3
L Ra 6C	UWfi<&r>fiYr	L= z> fiY z= Yfi>rZr zrs v – yv wfi> ! vur => v u zY yv zY[r<u “r[! fi= z fiY [yvY ! <=vu fi rt>Zr> r= z> fiY fi< yv wfi> t fiY fi sJ>fiY ! <ix< &&vu wfi< <vwJ] z= rt>Zr>u3	f v vr= v yv wfi> ! vur fi yfi & v ! fi= z fiY r Yu vY= J < yv d< z&r< “ -U<v x< > u. Rfi fi>N fiY fi sJ>fiY ! <ix< &&vu wfi< <vwJ] z= Yfi>rt>Zr>u3 d<= yv wfi> ! vur zY fi yv r= z> fiY <v x fiY r xr zY fi fis x zY r= z> fiY3

3x%z @5H, , E^M. xvHEz . z86Y) z8

tn	6 TM , z	. z86Y) z	5H)) z86 v i qXk
Mlg57	NrJ>fiY	hyv ! fi[v<=J!! “ [r=Yfi>uv>t>u zY>yv =“>v&3gJ<at r &fiuv z= Yfi> rZrzs v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv3
Mlg58	NrJ>fiY	hyv ! fi[v<=J!! “ =fiw< r<v Zv<=fiY z= Yfi>t fi&!r>s v [zy >z=fiw< r<v Zv<=fiY3gJ<at r &fiuv z= Yfi>rZrzs v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv3L t fi&!r>s v =fiw< r<v Zv<=fiY &J=>sv zY>f vu3
Mlg59	NrJ>fiY	hyv ! fi[v<=J!! “ yr=wzvu >fi <= fiYu >fi r >v>Yx=t fi&&rYu3hyv &fiuJ v >v>Yx=yrZv s vvY<2=vY>>fi >yv &fiuJ v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3
Mlg5:	NrJ>fiY	hyv ! fi[v<=J!! “ yr=<v>3hyv &fiuJ v >v>Yx=yrZv s vvY<2=vY>>fi >yv &fiuJ v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3
Mlg5A	Uvfi<&r>fiYr	hyv ! fi[v<&fiuJ v >&! v<J <v z= yxyv<yrYv] ! vt>u3	NfiYw<& >yr>>yv s fi>fi& rYu fi[v<<r< r<r=fiw>yv =“>v& r<v Yfi>s fit Ōvu wfi& wv r<wfi[3 Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3
Mlg5B	NrJ>fiY	hyv ! fi[v<&fiuJ v z=r>rYfiZv< >&! v<J <v t fiYu>fiY3g“>v& >yJ>fi[Yz=z&&zYvY3	NfiYw<& >yr>>yv s fi>fi& rYu fi[v<<r< r<r=fiw>yv =“>v& r<v Yfi>s fit Ōvu wfi& wv r<wfi[3 Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3
Mlg5C	NrJ>fiY	hyv ! fi[v<&fiuJ v fiJ>J>= fi[3 g“>v& wYt>fiY=&r“ Yfi>svrZrzs v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3
Mlg67	Uvfi<&r>fiYr	L srtŌJ! sr>v<“ [r=uv>t>u zY >yv ! fi[v<=J!! “3hyz=wr>J <v z= Yfi fiYxv<=J!! fi<vu3gJ<at r &fiuv z= Yfi> rZrzs v3	Nr “fiJ<!<fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz= ! <fis v& ! v<=Z>3

mxL , ® 86x®. xvHEz . z 86Y) z 8

tn	6™, z	. z 86Y) z	5H)) z 86v i q0xk
Ndl 56	NrJ>fiY	hyv t fi&! <=<fi<&fiuJ v [r=Yfi> uv>t >u zY>yv =<=>v&3gJ <xt r &fiuv =<Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv3
Ndl 57	NrJ>fiY	hyv t fi&! <=<fi<&fiuJ v =fiwł r< Zv<fiY=<Yfi>t fi&! r>ss v [zy >yv =<=>v& =fiwł r< Zv<fiY3gJ <xt r &fiuv =<Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv3L t fi&! r>ss v =fiwł r< Zv<fiY & J =>s v zY> v u3
Ndl 58	NrJ>fiY	hyv t fi&! <=<fi<&fiuJ v yr=wzvu <fi <v! fiYú <fi r >v>Zx=t fi&&r Yú3hyv &fiuJ v >v>Zx=yrZv s vvY <2>vY><fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v! <fis v& ! v<=>3
Ndl 59	NrJ>fiY	hyv t fi&! <=<fi<&fiuJ v yr=<v>3hyv &fiuJ v >v>Zx=yrZv s vvY <2>vY><fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v! <fis v& ! v<=>3
Ndl 5:	NrJ>fiY	hyv r z<! <v=<v fiJ>J>=<v fi [v<yrY t fi&&r Yuvu3	Nyvt Ω>yr>>yv r z< zYv <J s zYx <= t fiYYvt >u >xy>“ <fi >yv =<=>v&3 Nyvt Ω>yr>>yv r<v r<v Yfi vrΩ=<Y>yv r z< zYv r Yú >yr>>yv r z< zYv <J s zYx <=t fiYYvt >u >xy>“ <fi >yv ! rt Ω t fi&! fiYvY>3 Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v! <fis v& ! v<=>3
Ndl 5;	NrJ>fiY	hyv r z<! <v=<v fiJ>J>=<v yzxyv<yr Y t fi&&r Yuvu3	d4N Ofi&r zY=DO<fiYYvt>>yv r z<J s zYx wfi& >yv =<=>v& r Yú = [zt y <fi x<Zz>“ zYw=<fiY=<v! 3 L Yv<fi<Ofi&r zYDNyr Yxv >yv s fi>v r Yú = [zt y <fi x<Zz>“ zYw=<fiY=<v! 3 Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v! <fis v& ! v<=>3
Ndl 5A	NrJ>fiY	hyv zYv<Yr r z<! <v=<v <v =<=>v& tr YYfi> <rt y >yv wł ! <v=<v <v v [! vt >u3	dN g“=>v&=MX699: : r Yú MX6: 9: : c Y“D Uł <v=<v zY! J> ! <v=<v <v <fi Yfi&zYr ! <v=<v <v fiwB ! =<v: : 3Cs r <v 3Nr “fiJ< ! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v ! <fis v& ! v<=>3
Ndl 5B	NrJ>fiY	hyv zYv<Yr Zrt JJ& ! J&! yr=wzvu3	Nr “fiJ<! <fiuJ t>=<Zt v <v! <=<Yx>Zv zw>y=<v! <fis v& ! v<=>3

tn	6 TM , z	. z88Y) z	5H)) z8zv i q0Xk
Ndl 5C	NrJ>fiY	hyv zYv<Yr Zz>vt >fi&“ rzk! <v=>J <v z= fi[3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D Uit <v=>v zY! J>! <v=>J <v >fi Yfi&zYr ! <v=>J <v fiwB: !<v-: : Xsr<3Nr “fiJ< ! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 65	NrJ>fiY	j zt fiJ=wJ zu zY0t >fiY! <v=>J <v z= fi[3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D NyvtΩ>yr>>yv j RUJ s zYx z= t fiYYvt >vu >xy>“ >fi >yv =>v& r Yu >fi >yv fi>yv< ! rtΩ=>v&=3
Ndl 66	NrJ>fiY	j zt fiJ=wJ zu zY0t >fiY! <v=>J <v z=yzy3	Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 67	NrJ>fiY	j zt fiJ=wJ zu v] >rt >fiY Zrt JJ & z= fi[3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D NyvtΩ>yr>>yv j RUJ s zYx z= t fiYYvt >vu >xy>“ >fi >yv =>v& r Yu >fi >yv fi>yv< ! rtΩ=>v&=3
Ndl 68	NrJ>fiY	j zt fiJ=wJ zu v] >rt >fiY Zrt JJ & z= yzy3	Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 69	Uxfi<&r>fiYr	P] >v<Yr =>J!! “ ! <v=>J <v z= fi[3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D Uit <v=>v zY! J>! <v=>J <v >fi Yfi&zYr ! <v=>J <v fiwB: !<v-: : Xsr<3
Ndl 6:	NrJ>fiY	hyv zYv<Yr rzk! <v=>J <v =>J!! “ >fi >yv Zrt JJ & wJ zu t =&fiuJ v z= fi[3 hyv Zrt JJ & wJ zu t =&fiuJ v &r“ Yfi> wYt >fiY! <fi! v<“3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D Uit <v=>v zY! J>! <v=>J <v >fi Yfi&zYr ! <v=>J <v fiwB: !<v-: : Xsr<3 Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 6C	NrJ>fiY	hyv Zz>vt >fi&“ tJ >v<zY! J>! <v=>J <v z= yzy3 hyv Zz>vt >fi&“ tJ >v<wYt >fiY z= Yfi>r Zr zrs v3	Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 75	NrJ>fiY	hyv zYv<Yr rzk! <v=>J <v =>J!! “ >fi >yv Zrt JJ & wJ zu t =&fiuJ v z= yzy3 hyv Zrt JJ & wJ zu t =&fiuJ v &r“ Yfi> wYt >fiY! <fi! v<“3	Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3
Ndl 77	NrJ>fiY	hyv zYv<Yr rzk! <v=>J <v =>v& ! <v=>J <v z=yzyv<>yr Yv] ! vt >vu3	Nr “fiJ<! <fiuJt>>v<Zt v <v! <v=>Yr>Zv zw>yz= ! <fis v& ! v<v=>3

tn	6™, z	. z&ay) z	5H)) z&v i q0k
Ndl 78	UWfi<&r>fiYr	P] >r<Yr =>J!! “ !<=>J <v z=yxy3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D Ovt <v r=>v zY! J>! <=>J <v fi B: ! =>v -: 3C sr<=, 3
Ndl 79	UWfi<&r>fiYr	h yv t fi&! <v=>fi<&fiuJ v yr=wzvu >yv ! <=>J <v =>vYfi<=! fi[v<J! >v=>3	PY=>J <v >yr>>yv wfiY>r Yu srt Ωr z<! fi<=> r<v Yfi>t fiYYvt >vu fi >J s zYx r Yu =>v J> ufi[Y>yv =>v& s“ =>v vt >Yx >yv qP Yu, z fiYlt fiYw<&zYx r Y“ !<fi&! >lr Yu >yvY =>v vt >Yx >yv qgyJ >ufi[Yg“=>v&, sJ >fiY fiY>yv P Yu =>v <vY3Rfi fi[zYx =>v& =>v J>ufi[Yl <v=>v<v>yv =>v&3N fi=>v >yz=&v=>v r xv r Yu >yvYt fi&! v>v >yz= rt >fiYfi<J=>v >yv qgyJ>Ofi[Yg“=>v&, sJ >fiY fiY>yz=&v=>v r xv3 Nr “fiJ<! <fiuJ t>=>v<Zt v <v! <v=>vYx >Zv zw>yz=>v! <fis v& ! v<=>v=>v3

t8 3xHz . xvHHz . z 88Y) z 8

tn	6 TM , z	. z 88Y) z	5H)) z 88v i q0Xk
Ptj 56	NrJ>fiY	hyv lĵ dfi v t fiY<fi v<[r=Yfi>uv>t>vu zY>yv =“>v&3gJ<at r &fiuv z= Yfi> rZrzs v3	Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv3
Ptj 57	NrJ>fiY	hyv lĵ dfi v t fiY<fi v<=fiwĵ r<v Zv<fiY z= Yfi>t fi&!r>s v[zy >yv =“>v& =fiwĵ r<v Zv<fiY3gJ<at r &fiuv z= Yfi> rZrzs v3	Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv3L t fi&!r>s v=fiwĵ r<v Zv<fiY&J=>sv zY>f vu3
Ptj 58	NrJ>fiY	hyv lĵ dfi v t fiY<fi v<yv=wzvu >fi <v= fiYū >fi r >v>Yx=t fi&&r Yū3hyv &fiuJ v >v>Yx=yrZv svvY<2=vY>>fi >yv &fiuJ v3	Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv zw>yv= !<dis v& !v<v>v3
Ptj 59	NrJ>fiY	hyv lĵ dfi v t fiY<fi v<yv=<v>3hyv &fiuJ v >v>Yx=yrZv svvY<2=vY>>fi >yv &fiuJ v3	Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv zw>yv= !<dis v& !v<v>v3
Ptj 5:	NrJ>fiY	hyv lĵ dfi v ! fi=>fiYtr Yfi>sv uv>v<&zYvu3	Nfi&&r Yū >yv lĵ dfi v >fi >yv &zY&J & s fi>v yvzxy>! fi=>fiYJ=>Yx >yv ufi[Y r<fi[fi<yv YJ &v<at Ō“!ru vfi<yv lĵ dfi v s fi>v yvzxy>v>Yx fiY>yv =J<at r =at<vY3N fi=v >yv=&v=tr xv r Yū >yvYt fi&! v>v >yv=rt >fiYfi<J=> >yv qXfi[v<lĵ dfi v, sJ>fiYfiY>yv &v=tr xv3 Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv zw>yv= !<dis v& !v<v>v3
Ptj 5A	NrJ>fiY	hyv lĵ dfi v z= Yfi>uv>t>Yx >yv yfi&v ! fi=>fiY= zt y fi<yv lĵ dfi v &fi<fi< &r“ yrZv wzvu3	Nfi&&r Yū >yv lĵ dfi v >fi >yv &zY&J & s fi>v yvzxy>! fi=>fiYJ=>Yx >yv ufi[Y r<fi[fi<yv YJ &v<at Ō“!ru vfi<yv lĵ dfi v s fi>v yvzxy>v>Yx fiY>yv =J<at r =at<vY3N fi=v >yv=&v=tr xv r Yū >yvYt fi&! v>v >yv=rt >fiYfi<J=> >yv qXfi[v<lĵ dfi v, sJ>fiYfiY>yv &v=tr xv3 Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv zw>yv= !<dis v& !v<v>v3
Ptj 5B	NrJ>fiY	hyv lĵ dfi v ! rYv sJ>fiY=>Yfi< yrZv wzvu fi<yv sJ>fiY=yrZv svvY rt>Zr>vu t fiYzYJ fiJ=“>Yt v svzYx ! fi[v<vu fiY3	PY=J<v >yv>yv lĵ dfi v srt Ō! rYv sJ>fiY=r<v Yfi>rt>Zr>vu3 NfiYw& !<fi! v<fi! v<v>fiYfiw>yv lĵ dfi v srt Ō! rYv sJ>fiY=3 Nr “fiJ<!<fiuJt>=vZt v <v!<v=Yf>Zv zw>yv= !<dis v& !v<v>v3

. HED zvOY nz kXz @C . nF . xvHEz . z88Y) z8

tn	6 TM , z	. z88Y) z	5H)) z8zv i qXk
a a N56	Uxw<8r>fiYr	h yv &J &vuzr t vYv<[r=Yfi> uv>t >u3	d vr=v vY=J <v >r>>yv &J &vuzr t vYv<v= ! Jxxvu zYr Yu ! fi[v<u fiY3 NyvtΩ>r>>yv &J &vuzr t vYv<ur> trs v v= ! Jxxvu zY>fi s fiy >yv =“>v& r Yu >yv &J &vuzr t vYv<3 Nr “fiJ<! <fiuJt>v<Zt v <v! <vY>Zv zw>yv= ! <fis v& ! v<v>3
a a N57	Uxw<8r>fiYr	h yv &J &vuzr t vYv<=fiw& r<v Zv<fiY v=Yfi>t fi&! r>s v [zy >yv =“>v& =fiw& r<v Zv<fiY3h yv Zauvi fiZv<r“ w Yt >fiYv=Yfi>rZrzs v3	Nr “fiJ<! <fiuJt>v<Zt v <v! <vY>Zv3L t fi&! r>s v =fiw& r<v Zv<fiY &J =>s v zY> vu3
a a N58	Uxw<8r>fiYr	h yv &J &vuzr t vYv<yr=wzvu >fi <v= ! fiYu >fi r =v>Yx=t fi&&r Yu3h yv =v>Yx=yrZv s vvY <2=vY>3	Nr “fiJ<! <fiuJt>v<Zt v <v! <vY>Zv zw>yv= ! <fis v& ! v<v>3

4zL xXz mxkX®E4z qz Qkz®. xvHEz . z 88Y) z 8

tn	6™, z	. z 88Y) z	5H)) z 88v i qXk
f Nf 56	NrJ >fiY	hyv <v&fi> t fiY>fi <vt vZv<[r=Yfi> uv>xt >vu zY>yv =<=>v&3gJ<A r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv3
f Nf 57	NrJ >fiY	hyv <v&fi> t fiY>fi <vt vZv<=<fiw& r< Zv<=<fiY z=Yfi>t fi&! r>ss v [zy >yv =<=>v&=<fiw& r<v Zv<=<fiY3gJ<A r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv3L t fi&! r>ss v=<fiw& r< Zv<=<fiY &J>=>sv zY> >vu3
f Nf 58	NrJ >fiY	hyv <v&fi> t fiY>fi <vt vZv<yr=wzvu >fi <=< fiYu >fi r =>v>Yx=t fi&&r Yu3hyv &fiuJ v =>v>Yx=yrZv svvY <2=>vY> >fi >yv &fiuJ v3	Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv zw>y z=<! <fis v& ! v<=>=>3
f Nf 59	NrJ >fiY	hyv <v&fi> t fiY>fi <vt vZv<yr=<=>v>3 hyv &fiuJ v =>v>Yx=yrZv svvY <2=>vY> >fi >yv &fiuJ v3	Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv zw>y z=<! <fis v& ! v<=>=>3
f Nf 5:	Uvfi<&r>fiYr	d fi=<ss v zY>v<w<vYt v [zy <v&fi> t fiY>fi <vt vZv<=<3f v&fi> t fiY>fi wYt >fiY &r“ Yfi>sv rZr zrs v3	hJ <Yfiwfi<uz& <fi fi& >xy>3Nv<r zY >“! v=fiw<fi fi& >xy>Yx &r“ trJ=>y z=< >“! v fiwzY>v<w<vYt v3 Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv zw>y z=<! <fis v& ! v<=>=>3
f Nf 5;	Uvfi<&r>fiYr	hyv <v&fi> t fiY>fi sr>v<“ vZv z= fi [3 f v&fi> t fiY>fi wYt >fiY &r“ Yfi>sv rZr zrs v=>fi<“3	f v! rtv >yv <v&fi> t fiY>fi sr>v<“ r> “fiJ<vr<zv=>t fiYZvYvYt v3 Nr “fiJ<! <fiuJt>=>vZ v <v! <=>Y> >Zv zw>y z=<! <fis v& ! v<=>=>3

7&®tkX®Yqz mxL , HX®C7tnf . xvHEz . z 88Y) z 8

tn	6™, z	. z 88Y) z	5H)) z 88v i qXk
i UN56	Uvfi<&r>fiYr	hyv Uj d fi v yvxy>yr=svvY z&zvu >fi >yv &r] z&J & t v zYx yvxy>3hyv Uj d fi v yvxy>A Yxv z=“1 °2'm° ”t &™ &&Tx°3	S fi >fi UYw=<fiYa fi<v =<vYfi< ! <fix< &&zYx wYt >fiY >fi <=>v>&r] Uj d fi v T vxy>3N fi=>y z=<v=<r xv >fi t fi&! v> >y z=rt >fiY fi<J=>yv rt >fiY sJ >fiY fiY >y z=<v=<r xv3
i UN58	Uvfi<&r>fiYr	dyr=>4a fiuv tyrYxv Yfi>r fi [vu [yzv =<J <A r wYt >fiY=<r<v zYJ=>3	Nyr Yxv dyr=>4a fiuv [yzv=<J <A r wYt >fiY=<r<v Yfi>zYJ=>3

tn	6 TM , z	. z&v) z	5H)) z&v i q0xk
i UN59	NrJ>fiY	Uy> r>fiYfiw=J<xt r =“>v& wzvu3 gJ<xt r &fiuv Yfi>rZrzs v3	d fi[v<ufi[Y>v =“>v& s“ =v vt>Yx >v qP Yu, t fiYlt fiYw&zYx r Y“ !<fi&!>=l r Yu >vY =v vt>Yx >v qyJ>fi[Y g“>v&, sJ>fiYfiY>v P Yu =t<vY3 Rfi fi[zYx =“>v& =yJ>ufi[Yl<v>v =“>v&3N fi=v >v&v= r xv r Yu >vY t fi&! v> >v&rt>fiYfi<J =v >v qyJ> Ofi[Yg“>v&, sJ>fiYfiY>v&v= r xv3 Nr “fiJ<!<fiuJt>=v>Zt v<v!<vY>v>Zv zw>v&!<dis v&!<v>v>v3
i UN5:	NrJ>fiY	hyv =“>v& ur>sr=v z=t fi<J!>3 hyv =“>v& [z =yJ>fi[Yr v>< t fiYw&r>fiYfiw>v&v= r xv3	Nr “fiJ<!<fiuJt>=v>Zt v v<v!<vY>v>Zv3
i UN5;	Uvfi<r>fiYr	Nr =v>v> s“! v ufiv= Yfi>&r>y !<fit vuJ<v s“! v3Ofi “fiJ [r Y>fi t yr Yxv fi >v &r>yZx !<fit vuJ<v> s“! v l	d<v=mv= vfi<r ”r Yv<fi d! fi>v<fi d t fi&s zYvu° !<fit vuJ<v l fi<d<v=b fi fi v@t>>v tr=v>v3
i UN5A	Uvfi<r>fiYr	Nr =v>v> s“! v ufiv= Yfi>&r>y !<fit vuJ<v s“! v3	d vr=v zYv<v> r ! fi>v<fi<tr=v>v3
i UN5B	Uvfi<r>fiYr	Ut fi<v>t>J >r=fiJ Yu yr Yu! zt v t fiYYvt>v3	d vr=v ! Jx zYr ”dyrt fi l R<x° yr Yu! zt v l fi<v> r u>v>v>Y>J >r=fiJ Yu yr Yu! zt v3
i UN5C	Uvfi<r>fiYr	d<v&zYx4hJ YzYx4j z>v t fi&“ t J>v< >v>Yx z=Zy!<fi v<v=3	d vr=v [r>vfi<d<v&zYx4hJ YzYx4 j z>v t fi&“ t J>v<v>v>Yx fi t fi&! v>v3
i UN68	Uvfi<r>fiYr	gJ<vfiYRzv U=b fi>i =r s v uJv fi fi= fiwur>sr=v zY>x<v>3h< r =“>v& uvwJ >v>v>Yx v v3	b fiYv
i UN69	Uvfi<r>fiYr	d fi>v<fi<r Yu Nfi&s zYvu hvt y Yz/v= c Y“Dhyv Uj d fi v r Yu LRUr<v s fi>y vYrxvu3d vr=v t fiYw& >r>>v LRU s fi>v z=r> r>vY>v“ v vZv 3	b fiYv
i UN6:	Uvfi<r>fiYr	L r=v<vYufi!<dis v z= Yfi>t fiYYvt>v3 b fi>v=J! fiYvY>v zYfi P Yufi r Yu r v>v< z=t fiYYvt>v >r>v= Yfi>vYufi!<dis v	NfiYYvt>r YP Yufid<dis v3
i UN6;	Uvfi<r>fiYr	L r=v<Xr=v<Uuz>t>c !y>r &fi=t fi! v -Xl& . z= Yfi>t fiYYvt>v3	NfiYYvt>r YXl& 3
i UN6A	Uvfi<r>fiYr	L r=v<vfiuJ v z= Yfi>zY>v vuEr=v< vYt>fiY=[z Yfi>svrZrzs v3	Nr “fiJ<!<fiuJt>=v>Zt v v<v!<vY>v>Zv3
i UN6B	Uvfi<r>fiYr	hyv r=v<vfi fi>t fiY>fi z= !<fi v<v&vu vfi<!<v&r<v -zY>x<v>u. sJ>>v !<v&r<v -zY>x<v>u. vfi>t fiY>fi z= Yfi>vfiJ Yu3	Nyr Yxv >v r=v<Rfi fi>NfiY>fi fi =v t fiYur<v -Xl& . Zr >v zYvfi =t<vY3 NfiYYvt>>v d<v&r<v -Uy>x<v>u. Rfi fi> NfiY>fi 3

tn	6 TM , z	. z 88Y) z	5H)) z 8zv i q0Xk
i UN6C	Ukfi<er>fiYr	h yv r=<wfi>t fiY<fi z= ! <ix< &&vu wfi<=t fiYür<“ -Xlê . s J>ÿv =>t fiYür<“ -Xlê . wfi>t fiY<fi z= Yfi>t fiYYt >u3	NfiYYt >ÿv =>t fiYür<“ -Xlê . Rfi> NfiY<fi 3 Nyr Yxv >ÿv r=<Rfi>NfiY<fi <fi ! <er<“ -Zÿvx< >u. Zr >ÿv zYwfi < <vY3
i UN75	NrJ>fiY	L fi=fiwrJuzfi wvusrt Ω! <fi v=Zÿx yr=s vvYuv>t >u3g“=>v& &r“ Yfi>sv ! <fiZaizÿx rJuzfi wvusrt Ω3	d fi[v<ufi[Y>ÿv =>v& s“ =>v vt Zÿx >ÿv qP Yu, < fiYlt fiYw&zÿx rY“ ! <fi&! <1 r Yu >ÿvY=>v vt Zÿx >ÿv qyJ <fi[Y g“=>v&, sJ >fiYfiY>ÿv PYu < <vY3 Rfi fi[zÿx =>v& =>J>ufi[Yl<=>v< >ÿv =>v&3N fi=>ÿz=&v=>v r Yu >ÿvY t fi&! v>ÿz=rt >fiYfi<J=>ÿv qyJ> Ofi[Yg“=>v&, sJ >fiYfiY>ÿz=&v=>v r xv3 Nr “fiJ<! <fiuJt >v<Za v <v! <v=>Yr >Zv zw>ÿz= ! <is v& ! v<=>=>3
i UN76	NrJ>fiY	h yv =>v& <v% zv=<=>v<Zÿx uJ v <fi r YZÿv<Yr v<fi<d vr=>v ! v<fi< >ÿv wfi fi[zÿx 63gv vt>2 gyJ <fi[Y# <fi Zÿz>v =>v& =>J <fi[Y3 73Uv=>v& ufiv= Yfi>=>J>ufi[YzY 85 =>t fiYu= ! fi[v<fiw>ÿv =>v& s“ ! <v=Zÿx r Yu yfi uzÿx >ÿv ! fi[v<sJ >fiY r>>ÿv wfiY>! r Yv 83f v=>v<=>v& r wv<6 &zYJ >v3 Nr “fiJ<! <fiuJt >v<Za v <v! <v=>Yr >Zv zw>ÿz= ! <is v& ! v<=>=>3	b fiYv

7BX8xHkv . xvHEz . z86Y) z8

tn	6 TM , z	. z86Y) z	5H)) z8zv i q0xk
i ga 56	NrJ>fiY	hyv J >=fiJ Yu &fiuJ v [r=Yfi> uv>t >u zY>yv =“>v&3gJ <xt r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>=v<Zt v <v! <vY>Zv3
i ga 57	NrJ>fiY	hyv J >=fiJ Yu &fiuJ v =fiwł r< Zv<fiYz=Yfi>t fi&! r>v [zy >yv =“>v& =fiwł r<v Zv<fiY3gJ <xt r &fiuv z=Yfi>rZr zrs v3	Nr “fiJ<! <fiuJ t>=v<Zt v <v! <vY>Zv3L t fi&! r>v =fiwł r< Zv<fiY&J=>sv zY> vu
i ga 58	NrJ>fiY	hyv J >=fiJ Yu &fiuJ v yr=wzvu >fi <v= fiYu >fi r >v>Zx=t fi&&r Yu3hyv &fiuJ v >v>Zx=yrZv s vvY <2>vY>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>=v<Zt v <v! <vY>Zv zv>z= ! <fis v& ! v<v>3
i ga 59	NrJ>fiY	hyv J >=fiJ Yu &fiuJ v yr=<v>zh yv &fiuJ v >v>Zx=yrZv s vvY <2>vY>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJ t>=v<Zt v <v! <vY>Zv zv>z= ! <fis v& ! v<v>3
i ga 5:	U>fi<&r>fiYr	hyv J >=fiJ Yu yr Yu! zvt v z=Yfi> t fiYYt >u fi<uv>t >u3	d vr=v ! Jx zY>yv”dyrt fi l R<x° yr Yu! zvt v3hyv J >=fiJ Yu t fiYYt >fi< zYu>r >fi< zy>z=wr>yZx3 U>zyv yr Yu! zvt v z=Yfi>uv>t >u l JY! Jx >yv yr Yu! zvt v r Yu >“ r Yfi>yv<”dyrt fi l R<x° yr Yu! zvt v3 Nr “fiJ<! <fiuJ t>=v<Zt v <v! <vY>Zv zv>z= ! <fis v& ! v<v>3
i ga 5;	U>fi<&r>fiYr	hyv J >=fiJ Yu yr Yu! zvt v yr=Yfi>svvY >Yvu3	gv vt>qv>J !, l>yvY=>vt>qd<z&v 4 hJ Yv, fi<qhJ Yv c Y“, sJ>fiY3N fi=v>yz= &v=>xv r Yu >yvYt fi&! v>yz=>rt >fiY fi<v vt>>yv qd<z&v 4hJ Yv, sJ>fiY fiY >yz=&v=>xv3

tn	6™, z	. z86Y) z	5H)) z8&v i q0kk
i ga 5B	Ukfi<&r>fiYr	h yv J >=fiJ Yü yr Yü! zvt v yr=wzvu >yv >YzYx ! <fit v=3	<p>PY=J <v J >=fiJ Yü Yvuu v z= ! <fi! v<“ >xy>Yvu1 >yv yr Yü! zvt v z=J w& zvY>“ t fifi vu1r Yü >yv t fiYYvt <fi<z=u<“3gv vt > >yv qd<&v 4hJ Yv, fi<qhJ Yv c Y“, sJ>fiYrxrZY>fi <v! vr>>yv yr Yü! zvt v >YzYx ! <fit v=3N fi=v >yz=&v=rxv r Yü >yvYt fi&! v> >yz=rt >fiYfi<J=v >yv qd<&v r Yü hJ Yv, sJ>fiYfiY>yz=&v=rxv3</p> <p>i Y! Jx >yv yr Yü! zvt v r Yü <“ r Yfi>yv< J >=fiJ Yü yr Yü! zvt v3gv vt>>yv qd<&v 4hJ Yv, fi<qhJ Yv c Y“, sJ>fiYrxrZY>fi <v! vr>>yv yr Yü! zvt v >YzYx ! <fit v=3 N fi=v >yz=&v=rxv r Yü >yvYt fi&! v> >yz=rt >fiYfi<J=v >yv qd<&v r Yü hJ Yv, sJ>fiYfiY>yz=&v=rxv3</p> <p>Nr “fiJ<! <fiuJt>=v<ZA v <v! <v=Yf>ZV zw>yz= ! <dis v& ! v<=z>3</p>
i ga 5C	Ukfi<&r>fiYr	h yv J >=fiJ Yü yr Yü! zvt v &r“ yrZv wzvu fi<&r“ sv wzZYx3	<p>i Y! Jx >yv yr Yü! zvt v r Yü <“ r Yfi>yv< J >=fiJ Yü yr Yü! zvt v3gv vt>>yv qd<&v 4hJ Yv, fi<qhJ Yv c Y“, sJ>fiYrxrZY>fi <v! vr>>yv yr Yü! zvt v >YzYx ! <fit v=3 N fi=v >yz=&v=rxv r Yü >yvYt fi&! v> >yz=rt >fiYfi<J=v >yv qd<&v r Yü hJ Yv, sJ>fiYfiY>yz=&v=rxv3</p> <p>Nr “fiJ<! <fiuJt>=v<ZA v <v! <v=Yf>ZV zw>yz= ! <dis v& ! v<=z>3</p>
i ga 65	NrJ>fiY	NfirxJ r>fiYtztJ>&r“ yrZv wzvu1 ! fi>Yf> t firxJ r>fiYfiJ >J>fiZv<2 Zi >xxv t fiYü>fiY3	<p>i Y! Jx >yv s z! fi r<yv Yü! zvt v r Yü t fi<u r Yü <“ r Yfi>yv<s z! fi r<yv Yü! zvt v r Yü t fi<u3</p> <p>Nr “fiJ<! <fiuJt>=v<ZA v <v! <v=Yf>ZV zw>yz= ! <dis v& ! v<=z>3</p>
i ga 66	NrJ>fiY	NfirxJ r>fiYtztJ>&r“ yrZv wzvu1 ! fi>Yf> J Yt fi&&r Yüvu fi<zYt fi<vt> t firxJ r>fiYfiJ >J>3	<p>i Y! Jx >yv s z! fi r<yv Yü! zvt v r Yü t fi<u r Yü <“ r Yfi>yv<s z! fi r<yv Yü! zvt v r Yü t fi<u3</p> <p>Nr “fiJ<! <fiuJt>=v<ZA v <v! <v=Yf>ZV zw>yz= ! <dis v& ! v<=z>3</p>

tn	6™, z	. z&v) z	5H)) z&v i q0k
i ga 6:	Uŵi&r>fiYr	i Yrs v ſi <ru J >r=fiJ Yū yr Yū! zvt v ur&3L>&! >ſi ſ Yv >yv yr Yū! zvt v ſi t fiYw& ! <fi! v<fi! v<r>fiY3	<p>PY=J <v J >r=fiJ Yū Yvū v z= ! <fi! v<“ >xy>Yvū l >yv yr Yū! zvt v z=J wŵ zY>“ t fiſi vu l r Yū >yv t fiYŴt ſi<z=u<“3gv vt > >yv qd<v 4hJ Yv, fi<qJ Yv c Y“, sJ>ſiYr xr zY ſi <v! vr>>yv yr Yū! zvt v ſ YzYx ! <fi t v=3N fi=v >yv &v=r xv r Yū >yvYt fi&! v> >yv=r t >ſiY fi<J=v >yv qd<v r Yū hJ Yv, sJ>ſiY fiY >yv &v=r xv3</p> <p>i Y! J x >yv yr Yū! zvt v r Yū >“ r Yfi>yv< J >r=fiJ Yū yr Yū! zvt v3gv vt >>yv qd<v 4hJ Yv, fi<qJ Yv c Y“, sJ>ſiYr xr zY ſi <v! vr>>yv yr Yū! zvt v ſ YzYx ! <fi t v=3 N fi=v >yv &v=r xv r Yū >yvYt fi&! v> >yv=r t >ſiY fi<J=v >yv qd<v r Yū hJ Yv, sJ>ſiY fiY >yv &v=r xv3</p> <p>Nr “fiJ<! <fiuJ t >v<Z t v <v! <v=Yſ >Zv zv>yv=! <ſis v& ! v<Z>3</p>
i ga 6;	Uŵi&r>fiYr	hyv J >r=fiJ Yū &fiuJ v wYyr=wzvu3 hyv J >r=fiJ Yū yr Yū! zvt v tr YŴfi>s v ſ Yū fi<fi! v<r>vu3	<p>d fi[v<ufi[Y>yv =“>v& s“ =v vt >Yx >yv qP Yū, z fiYl t fiYw&zYx r Y“ ! <fi&! >l r Yū >yvY=v vt >Yx >yv qgyJ ſi[Y g“>v&, sJ>ſiY fiY >yv P Yū t <vY3 Rfi fi[zYx =“>v& >yJ>ufi[Yl <v>ſ <>yv =“>v&3N fi=v >yv &v=r xv r Yū >yvY t fi&! v> >yv=r t >ſiY fi<J=v >yv qgyJ> Ofi[Yg“>v&, sJ>ſiY fiY >yv &v=r xv3</p> <p>Nr “fiJ<! <fiuJ t >v<Z t v <v! <v=Yſ >Zv zv>yv=! <ſis v& ! v<Z>3</p>

tn	6™, z	. z88y) z	5H)) z 8& v i q00k
j Ra 56	NrJ>fiY	hyv ZrtJJ & wJ zuā = &fiuJ v [r= Yfi> uv>t >u zY >yv =“>v&3gJ<ā r &fiuv z= Yfi>rZr zrs v3	Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv3
j Ra 57	NrJ>fiY	hyv ZrtJJ & wJ zuā = &fiuJ v =fiwđ r<v Zv<fiY z= Yfi>t fi&! r>s v [zy >yv =“>v& =fiwđ r<v Zv<fiY3gJ<ā r &fiuv z= Yfi>rZr zrs v3	Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv3L t fi&! r>s v =fiwđ r<v Zv<fiY & J =>sv zY>r vu3
j Ra 58	NrJ>fiY	hyv ZrtJJ & wJ zuā = &fiuJ v yr= w z vu >fi <v= fiYu >fi r =>Zx=t fi&&r Yu3hyv &fiuJ v =>Zx=yr Zv svvY <2=>Y>>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv zw>y z= ! <dis v& ! v<=>=>3
j Ra 59	NrJ>fiY	hyv ZrtJJ & wJ zuā = &fiuJ v yr=<=>3 hyv &fiuJ v =>Zx=yr Zv svvY <2=>Y>>fi >yv &fiuJ v3	Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv zw>y z= ! <dis v& ! v<=>=>3
j Ra 5:	NrJ>fiY	hyv ZrtJJ & wJ zuā = &fiuJ v ufiv= Yfi> yrZv Zr zu wt>fi<“ tr z> >fiYur>3 gJ<ā r &fiuv z= Yfi>rZr zrs v3	Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv >fi <v! rt v fi<tr z> >v >yv ZrtJJ & wJ zuā = &fiuJ v3
j Ra 5A	Uwfi<&r>fiYr	hyv tr=>v>v ZrtJJ & tyvt Ω z= zY ! <fix<=>3	d vr=>v [r>wfi<>yv tr=>v>v ZrtJJ & tyvt Ω >fi t fi&! v>3
j Ra 5B	Uwfi<&r>fiYr	hyv tr=>v>v ZrtJJ & tyvt Ω yr= w z vu3	P@t>>yv tr=>v>v J=>Yx >yv qP@t> Nr=>v>v, >fiYsJ>fiY zY >yv =>rJ= uz= ! r“ rYu >yvY <2Y=><>yv tr=>v>v >fi <v>“ >yv tr=>v>v ZrtJJ & tyvt Ω3N fi=>y z=>v=>v>r Yu >yvYt fi&! v> >y z= rt >fiY fi<J=>v >yv qP@t>Nr=>v>v, sJ>fiY fiY >y z=>v=>v>v3 P@t>>yv tr=>v>v J=>Yx >yv qP@t> Nr=>v>v, >fiYsJ>fiY zY >yv =>rJ= uz= ! r“ rYu >yvY <v! rt v >yv tr=>v>v [zy r Yv[tr=>v>v3N fi=>y z=>v=>v>v r Yu >yvYt fi&! v> >y z= rt >fiY fi<J=>v >yv qP@t>Nr=>v>v, sJ>fiY fiY >y z=>v=>v>v3 Nr “fiJ<! <fiuJt>=>Zā v <v! <v=Yr>Zv zw>y z= ! <dis v& ! v<=>=>3
j Ra 5C	Uwfi<&r>fiYr	g“>v& ! <&zYx yr= Yfi>svvY t fi&! v>vu3	gv vt>>yv qg vJ ! , >fiYl >yvY=>v vt>>yv qd<&v, fi<qd<&v r Yu hJ Yv, sJ>fiY >fi t fi&! v> >yv =“>v& ! <&zYx3N fi=>y z=>v=>v>v>r Yu >yvYt fi&! v> >y z= rt >fiY fi<J=>v >yv qd<&v, fi<qd<&v r Yu hJ Yv, sJ>fiY fiY >y z=>v=>v>v3

tn	6™, z	. z&Y) z	5H)) z&v i q0k
j Ra 66	Uŵi<r>fiYr	g“=>v& ! <&zYx yr=wz vu3	<p>Nyvt Ω z<zr>fiYr Yû r= z<fiY> s zYx t fiYYvt >fiY= ŵi< vr Ω=3Nyvt Ω>yr> >yv >=>t yr & s v<z= ŵi<&zYx r >xy> =vr r <fiJ Yû >yv yr Yû! zvt v3gv vt >>yv qg v>J!, z fiYl >yvY= vt >>yv qd<&v, fi< qd<&v r Yû hJ Yv, sJ >fiY>fi t fi&! v> >yv =‘=>v& ! <&zYx3N fi= >yv<v= r xv r Yû >yvYt fi&! v> >yv<rt >fiY fi<J= >yv qd<&v, fi<qd<&v r Yû hJ Yv, sJ >fiY fiY >yv<v= r xv3</p> <p>P@t>>yv tr=>v> >yv tr=>v> J=zYx >yv qP@t>Nr=>v>, z fiYsJ>fiYzY>yv =>rJ=uze! r“ r Yû >yvY firu r Yv! !rt Ω3 N fi= >yv<v= r xv r Yû >yvYt fi&! v> >yv<rt >fiY fi<J= >yv qP@t>Nr=>v>, sJ >fiY fiY>yv<v= r xv3</p> <p>Nr “fiJ<! <fiuJt>=>v<z v <v! <v= Yv>Zv zv>yv<! <fis v& ! v<v>=3</p>

tn	6™, z	. z88Y) z	5H)) z8zv i q0k
j Ra 68	Ukfi<er>fiYr	hyv tr⇒v⇒v z= Yvr<“ w 3	<p>d4N Ofi&r zY=DL>yv =fifiYv⇒ t fiYZvYvY>v&v1v&!>“ yv tr⇒v⇒v3 hfi v&!>“ yv tr⇒v⇒vD63N r&! yv zYv=fiY zYv373gv vt>yv v@t>tr⇒v⇒v z fiY383P&!>“ yv tr⇒v⇒v393f v2Y=v<◇ yv tr⇒v⇒v3: 3c !vYyv zYv=fiY t r&!3f vw<fi fi! v<fi<=&r Yr vfi< uv&z vu zY=Jt>fiY=fi uv&t y J s zYx &r Yvfi u vfi& yv tr⇒v⇒v3</p> <p>L Yv<fi<Ofi&r zYDL>yv =fifiYv⇒ t fiYZvYvY>v&v1v&!>“ yv tr⇒v⇒v3 hfi v&!>“ yv tr⇒v⇒vD63N r&! yv z<xr>fiY zYv373f v! rtv yv >⇒ tyr&s v<fiYyv yr Yv! zt v383gv vt> yv v@t>tr⇒v⇒v z fiY393P&!>“ yv tr⇒v⇒v3: 3f v2Y=v<◇ yv tr⇒v⇒v3 ; 3c !vYyv z<xr>fiYt r&! A3f v&fiZv yv >⇒tyr&s v<vfi& yv yr Yv! zt v3 f vw<fi fi! v<fi<=&r Yr vfi<uv&z vu zY=Jt>fiY=fi uv&t y J s zYx &r Yvfi u vfi& yv tr⇒v⇒v3</p> <p>P@t>yv tr⇒v⇒v yv tr⇒v⇒v J=zYx yv qP@t>Nr⇒v⇒v, z fiYsJ>fiY zYyv ⇒>J=uze! r“ rYv yvY firu r Yv[!rt ΩN fi=v yz=&v=rxv r Yv yvY t fi&! vx yz=rt>fiY fi<J=v yv qP@t> Nr⇒v⇒v, sJ>fiY fiY yz=&v=rxv3Nr “fiJ<!>fiuJt>v<Zt v <v! <v=Yv>Zv zv yv tr⇒v⇒v z= Yfi>Yvr<“ w r Yv yz= &v=rxv ! v<Z=3</p>

tn	6 TM , z	. z&ay) z	5H)) z&zv i q0Xk
j Ra 69	NrJ>fiY	hyv tr=vw z=wf 3	<p>d4N Ofi&rZY=DP&!>“ yv tr=vw3 hfi v&!>“ yv tr=vwD63N r&!> yv zYw=fiY zYv373gv vt>yv v@t>tr=vw a fiY383P&!>“ yv tr=vw393f v2Y=v< yv tr=vw3: 3c !vY yv zYw=fiY t r&!>3f vw<fi fi! v< fi<=&r YJr wfi< uv&z vu zY=>J t fiY=fi uv&ty J s zYx &r YZfi u wfi& yv tr=vw3</p> <p>L Yv<fi<Ofi&rZYDP&!>“ yv tr=vw3 hfi v&!>“ yv tr=vwD63N r&!> yv z&xr>fiY zYv373f v! rtv yv x=> tyr&sv<fiY yv yr Yu! zvt v383gv vt> yv v@t>tr=vw a fiY393P&!>“ yv tr=vw3: 3f v2Y=v< yv tr=vw3 ; 3c !vY yv z&xr>fiYt r&!> A3f v&fiZv yv x=>tyr&sv<wfi& yv yr Yu! zvt v3 f vw<fi fi! v< fi<=&r YJr wfi<uv&z vu zY=>J t fiY=fi uv&ty J s zYx &r YZfi u wfi& yv tr=vw3</p> <p>P@t>yv tr=vw yv tr=vw J=zYx yv qP@t>Nr=vw, a fiYsJ>fiY zY yv =&rJ=uz! r“ r Yu yvY firu r Yv! !rt 03 N fi=v yz=&v=&r xv r Yu yvYt fi&!> v& yz=rt>fiY fi<=v yv qP@t>Nr=vw, sJ>fiY fiY yz=&v=&r xv3</p> <p>Nr “fiJ<!>fiuJt>v<Za v <v! <v=Y&r>Zv zw yv tr=vw z=Yfi>w r Yu yz= !>fis v& !v<=>3</p>
j Ra 6:	NrJ>fiY	hyv Z&xt fi&“ tJ>v<fiJ>J>!>=J <v z= fiJ 3j z&xt fi&“ tJ>v<&r“ Yfi>sv tJ>Yx3	<p>Nyvt 0 yv>yv Z&xt fi&“ tJ>v<J s zYx z= t fiY Yt x u x y>“3gv vt>yv qv>J!, a fiYI yvY=v vt>yv qj z hv=> sJ>fiY3 N fi=v yz=&v=&r xv r Yu yvYt fi&!> v& yz=rt>fiY fi<=v vt>yv qj z hv=> sJ>fiY fiY yz=&v=&r xv3</p> <p>f v! rtv yv Z&xt fi&“ tJ>v<3gv vt> yv qv>J!, a fiYr Yu yvY=v vt>yv qj z hv=> sJ>fiY3 N fi=v yz=&v=&r xv r Yu yvYt fi&!> v& yz=rt>fiY fi<=v vt>yv qj z hv=> sJ>fiY fiY yz=&v=&r xv3</p> <p>Nr “fiJ<!>fiuJt>v<Za v <v! <v=Y&r>Zv zw yz= !>fis v& !v<=>3</p>
j Ra 6A	Uvfi<&r>fiYr	d vr=v zY=v<yv tr=vw3	b fiYv

tn	6 TM , z	. z 88Y) z	5H)) z 88z v i q0k
j Ra 6B	Ukfi<r>fiYr	i Y<t fix Yz vu tr=vw3	d vr=v <2Yv<> yv tr=vw fi<x“ r uzww<Y>tr=vw3 Nr “fiJ<! <fiuJt>v<Zt v <! <vYx>Zv zw>yz! <fis v& ! v<zz>3
j Ra 6C	NrJ>fiY	L j rtJJ & RrJ >yr=fit tJ <vu3	P@t>yv tr=vw J=Zx yv qP@t> Nr=vw, t fiYsJ>fiY zY yv >J= uz! r“ rYu yvY firu r Yv[!rtΩ N fi=v yz=&v=xxv rYu yvYt fi&! v> yz=rt>fiY fi<J=v yv qP@t>Nr=vw, sJ>fiY fiY yz=&v=xxv3 Nr “fiJ<! <fiuJt>v<Zt v <! <vYx>Zv zw>yz! <fis v& ! v<zz>3
j Ra 75	Ukfi<r>fiYr	f vwJ] z=Yfi>rZrzs v – f vwJ] tr Yfi> svrt>Zr>u [yvYr= z>fiY z=rt>Zv3	hfi rt>Zr> <wJ] l < vr=v yv wfi>! vur fi r YfiYr= z>Zx ! fi=zzfiYr Yu rt>Zr> yv zY[r<“r[<wJ] t fi&&r Yu fi<yv sJ>fiY! <ix<&&vu wfi<wJ] 3
j Ra 76	Ukfi<r>fiYr	f vwJ] z=Yfi>rZrzs v – fi fi &r Y“ <wJ] ! J =vyrZv svvYrt>Zr>u l r= z>fiY &J =>svt fi&&r Yuvu r xr zY fi <v>yv <wJ] w Yt fiY3	d<v=yv wfi>! vur fi rt>Zr> r =yfi< ! v<fiu fiw= z>fiY svvfi< <rt>Zr>Zx <wJ] 3
j Ra 77	Ukfi<r>fiYr	L= z>fiY z=Yfi>rZrzs v – yv wfi> ! vur >v>u zY yv zY[r<“r[! fi=zzfiY [yvY! <v=vu fi rt>Zr> r= z>fiY fi< yv wfi>t fiY fi sJ>fiY! <ix<&&vu wfi< <wJ] z=rt>Zr>u3	f v vr=v yv wfi>! vur fi yfi&v ! fi=zzfiY r Yu vYJ < yv d<&r<“ -Uv>x< >u. Rfi fi>NfiY fi sJ>fiY! <ix<&&vu wfi< <wJ] z=Yfi>rt>Zr>u3 d<v=yv wfi> ! vur zY fi yv r= z>fiY <x fiYr xr zY fi fis> zYr= z>fiY3
j Ra 78	Ukfi<r>fiYr	L= z>fiY z=Yfi>rZrzs v – zYa r YJr zYw=fiY &fiuv l zYw=fiY z=vw>fi c RR3	gv>a r YJr &fiuv zYw=fiY fi c b 3 N fi=v yz=&v=xxv rYu yvYt fi&! v> yz=rt>fiY fi<J=v yv qUw=fiY c Y, sJ>fiY fiY yz=&v=xxv3
j Ra 79	Ukfi<r>fiYr	hyv tr=vw [r=Yfi>tr! <v= yv wJ zu vZv =vY fi<t fiJ u Yfi>sv <ru3	N vrYr Yu u<“ yv wJ zu vZv uv>t>fiY vY=zY=uv yv tr=vw tr! <v=fi> fiY yv <xy>=uv <v= s zYwYx zxy> r=<v fi&&vYuvu zY yv c ! v< fi<= a r YJr l r Yu zYv>yv tr=vw r xr zY3 Nr “fiJ<! <fiuJt>v<Zt v <! <vYx>Zv zw>yz! <fis v& ! v<zz>3

tn	6™, z	. z&ay) z	5H)) z&zv i q0k
j Ra 7;	Ufi<r>fiYr	hyv wJzu vZv =vYfi<t fiJ u Yfi>sv <ru3	<p>k zyfiJ>v@t >Yx >v tr=>v1xvY>“ !J=y >srtΩZfi >v &fiuJ v3hyz= &v=>rv [z t vr<rJfi&r>r “ fiYt v >v wJzu vZv =vYfi<trYsv <ru =>ttv=> “3</p> <p>N vrYr Yü u< >v wJzu vZv uv>t >fiY vY=zY=uv >v tr=>v tr! >v =fi> fiY>v <xy>=uv -<u s zYzYx xy> r=<v fi&&vYüvu zY>v c ! v<fi<= a rYJr 1r Yü zY=<>>v tr=>v rxrzY3</p> <p>P@t>>v tr=>v J=>Yx >v qP@t> Nr=>v, z fiYsJ >fiYzY>v =>rJ= uz= r“ rYü >vY<v! rtv >v tr=>v [zy r Yv[tr=>v3N fi=v >v=&v=>rv rYü >vYt fi&! v> >v=rt >fiYfi<J=v >v qP@t>Nr=>v, sJ >fiYfiY>v=&v=>rv3</p> <p>Nr “fiJ<! <fiuJt>=>vZt v <v! <vYr>Zv zv>v=>! <fis v& ! v<=>v3</p>

300 Y0M CtkXz) 0YzvF pxxXmxkX0E. xvHEz . z88Y) z

tn	6 TM , z	. z88Y) z	5H)) z8zv i q0Xk
k RN56	Uvfi<er>fiYr	hyv wfi>t fiY>fi sr>v< yr=v] t vvuvu 855g yr<v t“t v=3hyv wfi>t fiY>fi sr>v< &r“ Yfi>! <fiZaiv ! fi[v<wfi>yv vYzv ur“3	Uv>yv sr>v<“ ufiv=Yfi>! <fiZaiv ! fi[v< wfi>yv w ur“1v! rtv >yv sr>v<“3 i =>yv d<er<“ -Uv>x<vu. Rfifi> NfiY>fi trs v <fi t fiY>v t >yv d<er<“ -Uv>x<vu. Rfifi>NfiY>fi <fi >yv =>v&3 f v! rtv >yv d<er<“ -Uv>x<vu. Rfifi>NfiY>fi [zy r Yfi>yv<d<er<“ -Uv>x<vu. Rfifi>NfiY>fi 3i =>yv [zvu trs v t fiY>v t <fi Y>fi zYzr “ ! rz<yv Yv[d<er<“ -Uv>x<vu. Rfifi> NfiY>fi [zy >yv =>v&3
k RN57	NrJ>fiY	hyv wfi>t fiY>fi ufiv=Yfi>yrZv Zr zu wt<fi< tr z<er>fiYur>3gJ<er &fiuv z=Yfi>rZrzs v3	f v! rtv >yv d<er<“ -Uv>x<vu. Rfifi>NfiY>fi [zy r Yfi>yv<d<er<“ -Uv>x<vu. Rfifi>NfiY>fi 3i =>yv [zvu trs v t fiY>v t <fi Y>fi zYzr “ ! rz<yv Yv[d<er<“ -Uv>x<vu. Rfifi> NfiY>fi [zy >yv =>v&3 Nr “fiJ<! <fiuJt>=>vZt v <v! <v=Yf>Zv <fi yrZv >yv d<er<“ -Uv>x<vu. Rfifi> NfiY>fi tr z<er>vu3
k RN58	Uvfi<er>fiYr	hyv wfi>t fiY>fi z=! <fix<er>&vu wfi< <xy>wfi>vu fi! v<er>fiYlsJ>z=>J! wfi< vw>wfi>vu fi! v<er>fiY3	NyrYxv >yv d<er<“ -Uv>x<vu. Rfifi> NfiY>fi yfi&v ! fi=>fiY= [zt y =>vt<fi< fitr>vu J Yuv<Yr>y >yv ! vur <fi >yv t vYv<! fi=>fiYfi< vw>zv s r=>vu wfi< <xy>wfi>vu fi! v<er>fiYfi<fi >yv t vYv< ! fi=>fiYfi< <xy>zv s r=>vu wfi< vw> wfi>vu fi! v<er>fiY3 NfiYw& >yv t fi<vt>=>J <vfiY= >v>Yx= wv z= firuvu3wvZt fi<vt>=>J <Y>fi >yv gv>J! gv vt>gJ<vfiY= <vY>fi =>vt> >yv t fi<vt>=>v>Yx=wv3N fi=>yv &v=>rxv r Yu >yvYt fi&! vx>yv z=rt <fiY fi=>vt>yv qv vt>gJ<vfiY, sJ>fiYfiY >yv=&v=>v3

tn	6 TM , z	. z&8y) z	5H)) z&8v i q0Xk
k RN59	UWf<&r>fiYr	h yv wfi>t fiY>fi z= ! <fix<&&vu wfi< vw wfi>vu fi! v< >fiY1sJ>Z=>v>J! wfi<<xy> wfi>vu fi! v< >fiY3	NyrYxv >yv d<&r<“ -U<v< < >vu. Rfifi> NfiY>fi yfi&v ! fi=>fiY= [z&y => vt <fi< fitr>vu JYuv<Yr>y >yv ! vur <fi >yv t vY>v< ! fi=>fiYfi< vw2=>v s >v wfi< <xy>wfi>vu fi! v< >fiYfi< <fi >yv t vY>v< ! fi=>fiYfi< <xy>2=>v s >v wfi< vw wfi>vu fi! v< >fiY3 NfiYw& >yv t fi<vt >=J <vfiY< =>wYx= w v z= firuvu3UwZfi fi<vt > <vJ <Y <fi >yv gvJ! gv vt>gJ<vfiY= <vY <fi => vt> >yv t fi<vt >=>wYx=w v3N fi=> >yv &v=>rxv rYu >yvYt fi& ! v> >yv=rt >fiY fi<=> vt>>yv qv vt>gJ<vfiY, sJ >fiYfiY >yv=&v=>rxv3
k RN5:	NrJ >fiY	h yv wfi>t fiY>fi t vY>v< ! vur fi<sJ >fiY >Y=fi<=>yrZv wzvu fi<>yv wfi>t fiY>fi yr=s vvYrt >Zr>vu t fiY>ZJ fiJ=“ =>Yt v svZx ! fi [v<vu fiY3	f v! fi=>fiY >yv d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi rYu vY=J < >yv>>yv t vY>v< ! vur rYu sJ >fiY=>r <v Yfi>rt >Zr>vu3 f v! rtv >yv d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi [>y rYfi>yv<d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi 3i => >yv [zvu trs v t fiYYvt >fiY <fi zYzr “ ! rz<>yv Yv [d<&r<“ -U<v< < >vu. Rfifi> NfiY>fi [>y >yv =“=>v&3 Nr “fiJ< ! <fiuJt>=>vZt v <v! <=>Yr >Zv zw>yv= ! <fis v& ! v<=>=>3
k RN5B	UWf<&r>fiYr	h yv =“=>v& z= Yfi>uv>vt >Yx >yv [zv v= wfi>t fiY>fi 3	Uzr>v [zv v=>d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi t fiYYvt >Zz=“ s “ ! <=>Yx fiYv fiw>yv d<&r<“ -U<v< < >vu. Rfifi> NfiY>fi sJ >fiY=&fi&vYr< “! >yv vw XPO [z >xy>J! 3 i => >yv d<&r<“ -U<v< < >vu. Rfifi> NfiY>fi trs v <fi t fiYYvt >>yv d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi <fi >yv =“=>v&3 f v! rtv >yv d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi [>y rYfi>yv<d<&r<“ -U<v< < >vu. Rfifi>NfiY>fi 3i => >yv [zvu trs v t fiYYvt >fiY <fi zYzr “ ! rz<>yv Yv [d<&r<“ -U<v< < >vu. Rfifi> NfiY>fi [>y >yv =“=>v&3 Nr “fiJ< ! <fiuJt>=>vZt v <v! <=>Yr >Zv zw>yv= ! <fis v& ! v<=>=>3

tn	6 TM , z	. z 86Y) z	5H)) z 8&v i q0Xk
k RN5C	NrJ>fiY	hyv wfi>t fiY>fi =fiw r<v Zv<fiY z= Yfi>t fi&! r> v [zy >yv =>v& =fiw r<v Zv<fiY3gJ<A r &fiuv z= Yfi>r Zrzs v3	f v! rtv >yv d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy r Yfi>yv<d<8r< -U>vx<vu. Rfifi>NfiY>fi 3i =>yv [zsu trs v t fiYYt >fiY>fi zYzr “! rz<yv Yv[d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy >yv =>v&3 Nr “fiJ<! <fiuJt>=v<Zt v <v! <v=Yf>Zv3L t fi&! r> v =fiw r<v Zv<fiY &J=>sv zYzr vu3
k RN65	U>fi<8r>fiYr	Rfifi>t fiY>fi uv>t >u fiY[zsu trs v t fiYYt >fiY3	d vr= [rz[yzv >yv d<8r< -U>vx<vu. Rfifi>NfiY>fi t fiY>J< >fiY t fi&! vx=3
k RN66	U>fi<8r>fiYr	Rfifi>t fiY>fi t fiY>J< >fiY fiY[zsu trs v t fiYYt >fiYr=t fi&! vxu =>ttv=> “3	nfiJ &r“ uz> fiYYt>>yv d<8r< -U>vx<vu. Rfifi>NfiY>fi trs v r Yu fi! v< >yv d<8r< -U>vx<vu. Rfifi>NfiY>fi [zv v= “3
k RN67	U>fi<8r>fiYr	Rfifi>t fiY>fi t fiY>J< >fiY fiY>yv [zsu trs v t fiYYt >fiYr=wz vu3	f v! rtv >yv d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy r Yfi>yv<d<8r< -U>vx<vu. Rfifi>NfiY>fi 3i =>yv [zsu trs v t fiYYt >fiY>fi zYzr “! rz<yv Yv[d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy >yv =>v&3 Nr “fiJ<! <fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz! <fis v& ! v<=>3
k RN68	NrJ>fiY	hyv wfi>t fiY>fi sr>>“ tyr<v vZv z= fi[3	i =>yv d<8r< -U>vx<vu. Rfifi>NfiY>fi trs v >fi t fiYYt>>yv d<8r< -U>vx<vu. Rfifi>NfiY>fi >fi >yv =>v&3 U>yv sr>>“ ufiv= Yfi! <fiZaiv ! fi[v< wfi<>yv w ur “1<v! rtv >yv sr>>“3
k RN69	NrJ>fiY	hyv wfi>t fiY>fi sr>>“ z= Yr<“ uz> yr<vu r Yu &r“ sv zY=J w> zY>fi t fi&! vx >yv tr=v3	i =>yv d<8r< -U>vx<vu. Rfifi>NfiY>fi trs v >fi t fiYYt>>yv d<8r< -U>vx<vu. Rfifi>NfiY>fi >fi >yv =>v&3 U>yv sr>>“ ufiv= Yfi! <fiZaiv ! fi[v< wfi<>yv w ur “1<v! rtv >yv sr>>“3
k RN6;	NrJ>fiY	hyv wfi>t fiY>fi =>Zx yr=wz vuE>yv wfi>t fiY>fi tvY>v! vur z=uz>s vu3	f v! rtv >yv d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy r Yfi>yv<d<8r< -U>vx<vu. Rfifi>NfiY>fi 3i =>yv [zsu trs v t fiYYt >fiY>fi zYzr “! rz<yv Yv[d<8r< -U>vx<vu. Rfifi>NfiY>fi [zy >yv =>v&3 Nr “fiJ<! <fiuJt>=v<Zt v <v! <v=Yf>Zv zw>yz! <fis v& ! v<=>3

[illegible]

tn	6 TM , z	. z&v) z	5H)) z&v i qXk
Xa 5;	NrJ>fiY	hyv fi[v<z J &zYr>fi<sJ s z=Yr<vYu fiw zw3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv J!! v<z J &zYr>fiY=fiJ <v3 f v! rt v yv fi[v<z J &zYr>fi<sJ s r> “fiJ <vr<zv=>t fiYZvYzvYt v -<v% zv= =>v& =>yJ>afi[Y.3
Xa 5A	NrJ>fiY	hyv z J &zYr>fi<v&! v<J <v z=fi fi yzy3 hyv z J &zYr>fi<yrZv s vvYJ <Yvu fiw3	Nr “fiJ <! <fiuJ t>=>v<Zt v <v! <v=>Yr>Zv zw>yZ=! <fis v& ! v<v=>3
Xa 5C	NrJ>fiY	hyv J!! v<z J &zYr>fi<sJ s yr=wzvu3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv fi[v<z J &zYr>fiY=fiJ <v3 f v! rt v yv J!! v<z J &zYr>fi<sJ s r> “fiJ <vr<zv=>t fiYZvYzvYt v -<v% zv= =>v& =>yJ>afi[Y.3
Xa 65	NrJ>fiY	hyv fi[v<z J &zYr>fi<sJ s yr=wzvu3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv J!! v<z J &zYr>fiY=fiJ <v3 f v! rt v yv fi[v<z J &zYr>fi<sJ s r> “fiJ <vr<zv=>t fiYZvYzvYt v -<v% zv= =>v& =>yJ>afi[Y.3
Xa 66	NrJ>fiY	hyv z J &zYr>fi<w>v<t fiY>fi yr=wzvu3	Nr “fiJ <! <fiuJ t>=>v<Zt v <v! <v=>Yr>Zv zw>yZ=! <fis v& ! v<v=>3
Xa 67	NrJ>fiY	hyv J!! v<z J &zYr>fi<s<xy>Yv= t fiY>fi yr=wzvu3	Nr “fiJ <! <fiuJ t>=>v<Zt v <v! <v=>Yr>Zv zw>yZ=! <fis v& ! v<v=>3
Xa 68	NrJ>fiY	hyv fi[v<z J &zYr>fi<s<xy>Yv= t fiY>fi yr=wzvu3	Nr “fiJ <! <fiuJ t>=>v<Zt v <v! <v=>Yr>Zv zw>yZ=! <fis v& ! v<v=>3
Xa 69	NrJ>fiY	hyv J!! v<z J &zYr>fi<sJ s >v! v z= Yfi> Zr zu3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv fi[v<z J &zYr>fiY=fiJ <v3 f v! rt v yv J!! v<z J &zYr>fi<sJ s r> “fiJ <vr<zv=>t fiYZvYzvYt v -<v% zv= =>v& =>yJ>afi[Y.3 Nr “fiJ <! <fiuJ t>=>v<Zt v <v! <v=>Yr>Zv zw>yZ=! <fis v& ! v<v=>3

tn	6 TM , z	. z86Y) z	5H)) z8zv i q0Xk
Xa 6:	NrJ>fiY	hyv fi[v<z J&zYr>fi<sJ s >“! v z= Yfi> Zr zu3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv J!! v<z J&zYr>fiY=fiJ< v3 f v! rt v> yv fi[v<z J&zYr>fi<sJ s r> “fiJ<vr<zv=>t fiYZvYzvYt v -<v%8 zsv= =>v&=>yJ>fi[Y.3 Nr “fiJ<!<fiuJt>=>v<Zt v <v! <v=>Yr>Zv zv>yz=>!<dis v& ! v<=>=>3
Xa 6;	NrJ>fiY	hyv J!! v<z J&zYr>fi<wYyr=wzvu3 U J&zYr>fi<[z sv>J<Yvu fiwzY: &zYJ>v=>zv>yv wYwzJ<v ! v<=>=>3	Nr “fiJ<!<fiuJt>=>v<Zt v <v! <v=>Yr>Zv zv>yz=>!<dis v& ! v<=>=>3
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Xa 6B	NrJ>fiY	hyv J!! v<z J&zYr>fi<yr=r sJ s sr r=> v<fi<r Yu tr Yfi>sv J=vu3U[z sv >J<Yvu fiwzY85=>vt fiYu=>3	Nr “fiJ<!<fiuJt>=>v<Zt v <v! <v=>Yr>Zv3
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Xa 75	NrJ>fiY	hyv J!! v<z J&zYr>fi<sJ s Zi> xv z= yxy3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv fi[v<z J&zYr>fiY=fiJ< v3 f v! rt v> yv J!! v<z J&zYr>fi<sJ s r> “fiJ<vr<zv=>t fiYZvYzvYt v -<v%8 zsv= =>v&=>yJ>fi[Y.3
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Xa 79	NrJ>fiY	hyv J!! v<z J&zYr>fi<sJ s z=r>vYu fiw zw3Xr&! [z svuz=s vu [yvY>J<Yvu fiw3	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv fi[v<z J&zYr>fiY=fiJ< v3 f v! rt v> yv J!! v<z J&zYr>fi<sJ s r> “fiJ<vr<zv=>t fiYZvYzvYt v -<v%8 zsv= =>v&=>yJ>fi[Y.3

tn	6 TM , z	. z&8Y) z	5H)) z&8v i qXk
Xa 7:	NrJ>fiY	hyv fi[v<z J&zYr>fi<sJ s z=r>vYu fiw zw3Xr&! [z sv uz=r s vu [yvY> <Yvu fiw&	dN g“=>v&=MX699: : r Yu MX6: 9: : c Y“D i => yv fi[v<z J&zYr>fiY=fiJ <v3 f v! rt v yv J!! v<z J&zYr>fi<sJ s r> “fiJ <vr<zv=>t fiYZvYZvYt v -<v% zsv= =<=>v&=>yJ>afi[Y.3
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Xa 7A L Yu Xa 7B	UXfi<&r>fiYr	b fi>v yv>yv vZv fiw xxy>fiJ>J> svzYx <v%v=>vu =>yfiJ u sv J=>vu [zy r[r<vYv=fiwv] ! fi=>v >v r Yu ! <fi] z&z“ >fi yv <vYr3 Xz&zzyx v] ! fi=>v >fi v=>yv Yr xJ zuv zYv Zr J v fiw65 Vt &7 yv != &r zYr>zY yv <vYr >=>J v3L>yv <v%v=>vu =>vYx1>yv=ufi=>v vZv &r“ sv v] t vvuvu zY v=>yv Y85 &zYJ >v= [zy yv MrJ=>y + Xfi&s wfi r xxy> ! <fis v ! fi=>zfiYvu 6: && wfi& yv <vYr3 Ofi “fiJ [r Y>fi t fiY>YJ vI	b fiYv

tn	6™, z	. z 86Y) z	5H)) z 86v i q0xk
Xa 7A drxv 7	Ukfi&r>fiYr	hyv >&v >fi <rt y >v v] ! fi=< < xJauv zYv=[z Zr< [zyD	b fiYv
L Yu		6. Rz><=v vt >fiY2j r Jv <rt yvu [zyZy>v 85 &zY>=[zy >v wi fi[zYx =>ZYx=D	
Xa 7B drxv 7		r. k yzv 2; 5) s. S <vY2; B) t. mv fi[2BB) u. L &sv<2655) 7. Oz>Yt v wfi& >v <vZr 8. Xxy>uz= v<Zx ! <is v= NfiY=< >v i =<a r YJr wfi<ruuz>fiYr zYfi&r>fiY3 Ofi “fiJ [rY>fi t fiY>YvI	

yY&®. xvHEz . z 86Y) z 8

tn	6™, z	. z 86Y) z	5H)) z 86v i q0xk
XLg56	NrJ >fiY	hyv r=<&fiuJ v [r=Yfi>uv>t >u zY>v =>v&3gJ <at r &fiuv z=Yfi> rZrzs v3	Nr “fiJ<! <fiuJt>v<Zt v <v! <vYr>Zv3
XLg57	NrJ >fiY	hyv r=<&fiuJ v =fiw< r< Zv<fiY z=Yfi>t fi&! r>v [zy >v =>v& =fiw< r< Zv<fiY3gJ <at r &fiuv z=Yfi> rZrzs v3	Nr “fiJ<! <fiuJt>v<Zt v <v! <vYr>Zv3L t fi&! r>v =fiw< r< Zv<fiY&J=>sv zY> vu3
XLg58	NrJ >fiY	hyv r=<&fiuJ v yr=wzv v >fi <v= fiYu >fi r =>Zx=t fi&&rYu3hyv &fiuJ v =>Zx=yrZv s vvY <2vY>fi >v &fiuJ v3	Nr “fiJ<! <fiuJt>v<Zt v <v! <vYr>Zv zw>v=> ! <is v& ! v<v>3
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tn	6™, z	. z88Y) z	5H)) z88v i q0k
XLg5;	NrJ>fiY	L r=><&fiuJ v &r wYt >fiYyr= fit tJ <vu1&r wYt >fiYt fiuv l l -[yv<v l l z=>yv t fiuv.3	N“t v >yv r=><Ωv“ fiwr Yū >yvYfiY3 Nr “fiJ<! <fiuJt>=><Zt v <v! <=>Y& >Zv zw>yZ=>! <fis v& ! v<=>=>3
XLg5A	NrJ>fiY	PY=J <v>r>>yv v“v &w>“ w>>Z=> zY=> vu -P Yūfi &fiuv. r Yū fi! v<=>Y& <fi& ! v<=>fiYv yrZv ! <fi! v<v“v ! <fi>t >fiY3	b fiYv
XLg5B	Uvfi<&r>fiYr	Xr=><v>r>&vY>&fiuv z=J YrZrzs v – =>v >yv r=><=>r>J=>3	b fiYv
XLg5C	Uvfi<&r>fiYr	Xr=><Yfi>zY>v>r>&vY>&fiuv3	g v vt >>yv r=><&fiuv sJ >fiY>fi vY>> <ru“ &fiuv3
XLg65	NrJ>fiY	Xr=><yv=wzvu >fi uv zZv<>yv t fi&&r Yūvu ! fi[v3	N“t v >yv r=><Ωv“ fiwr Yū >yvYfiY3 Nr “fiJ<! <fiuJt>=><Zt v <v! <=>Y& >Zv zw>yZ=>! <fis v& ! v<=>=>3

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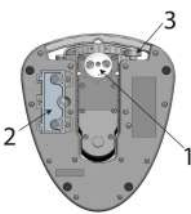
63 g v vt >BW0j r zXGB+9jS >fi zYz> >=>=>& =>yJ >fi[Y3

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Nr “fiJ<! <fiuJt>=><Zt v <v! <=>Y& >Zv zw>yZ=>! <fis v& ! v<=>=>3

i vv 00 k YE 6 @ H h E z & x x X k) r H 0 / z

	5 th L , X x L	3 x X k X O E n Y H E z	m x @ q X k z i q X k k
6	d < & r < “ - U > x < > u . R f i f i > N f i Y > f i f i = d z t y t f i Y > f i f i w f v x z f i Y 7 1 8 r Y u m r [3 d z t y t f i J u f i Y “ t f i Y > f i U < x r > f i Y c Y 4 w 8 h y v w i J < = u v s J > f i Y = w Y t > f i Y Y i < & r “ 3	h y v R f i f i d v u r g c w > > = f z t y c Y f i d < f i ! v < “ v Y x r x v u 3 g “ = > & c Y f i d u v > t > Y x c w f i f i d < ! v u r z f i w > > f i d X w f z x y > f i < N v Y > < g v v d r x v d 6 2 C 3 	N y v t O c w > > = f z t y r > > v s r t O f i w > v w f i f i > ! v u r 1 v Y = J < > = f z t y z = w “ v Y x r x v u > f i > y v X w f f z x y > f i < N v Y > < 3
7	d < & r < “ - U > x < > u . R f i f i > N f i Y > f i u f i v = Y f i > r J > f i & r > r “ > Y = z f i Y > f i [z v v = f i ! v < > f i Y v Z v < & > v > y v s r t O J ! t r s v z = u z t f i Y Y t > > Y x > y v d < & r < “ - U > x < > u . R f i f i > N f i Y > f i s r t O J ! t r s v 3	h y v d < & r < “ - U > x < > u . R f i f i > N f i Y > f i u f i v = Y f i > r J > f i & r > r “ > Y = z f i Y > f i [z v v = f i ! v < > f i Y v Z v < & > v > y v s r t O J ! t r s v z = u z t f i Y Y t > > Y x > y v d < & r < “ - U > x < > u . R f i f i > N f i Y > f i s r t O J ! t r s v 3	R f i f i [z Y x > y v u z t f i Y Y t > f i Y f i w s r t O J ! t r s v l z Y z > > [z v v = d < & r < “ - U > x < > u . R f i f i > N f i Y > f i t f i Y Y t > > Y z s “ ! < = z Y x f i Y v f i w > y v d < & r < “ - U > x < > u . R f i f i > N f i Y > f i s J > f i Y = 3 h y v < > y > X P O z x y > [f i J u z x y > J ! [z y z Y 6 5 c = t f i Y u = E z Y u z r > Y x [z v v = t f i Y Y t > f i Y z = < r u “ 3
8	g “ = > & Y f i < > r u z Y x t r = > > w w J z u v Z v t f i < > t > “ 3	h y v t r = > > w [r = Y f i > w “ z Y = < > u 3 h y z = t r Y f i t t J < > > y v t r = > > w z = z Y = < > u = f i [“ r Y u t r ! > J < > u z Y r ! f i = z f i Y > y r > r w w t > > y v ! v < & r > Y t v f i w > y v w J z u v Z v = > Y = f i < 3 h y z = & r “ r = f i f i t t J < > > y v t r = > > w z = z Y = < > u > f i f i w > r Y u < v r = > u s v v f i < > y v t r ! > J < & v t y r Y z = t r ! > J < > = > y v t r = > > w r > > y v f i ! > & J & ! f i = z f i Y 3	P @ t > t r = > > w r Y u < > z Y = < > 3 h f i v Y = J < > t r = > > w z = ! < f i ! v < “ ! f i = z f i Y u z Y > y v = “ = > & l w & “ z Y = < > y v t r = > > w J Y z z = Y r ! = z Y ! r t v 3

	5 th L, XxL	3xXkXOYE nYH&z	mx@qXkz i qXk
9	b fi fi< fi[zYw=fiY[zy d<=>J <vu UYw=fiY w Yt >fiY3	g“=>v& uz= r“=rt>Jr !<=>J <v t fi<vt>“ r Yu r z<=t fi&zYx fiJ>fiw>yv r z<fiJ>J>t fiYYvt >fi<3 Uw! <fis v& !v<=>=>[zy >yv r fiw>yv r s fiZv t fi<vt >Zv rt >fiY=I=>fi! J=>Yx d<=>J <vu UYw=fiYr Yu tr =>vZv3	63L z<J s zYx fi<z<xr>fiY >J s zYx &r“ sv ΩZYΩu3 Nyvt Ωr z<J s zYx r Yu z<xr>fiY>J s zYx wfi<ΩZYΩ fi<! zYt y3 73hyv r z<J s zYx !r>y[r“ &r“ sv fis=>J t>u3 PY=J <v Yv[r z<J s zYx z= J=>u3c >yv< z=v1<v! rt v [zy Yv[>J s zYx3 83d<=>v! <=>J <v &r“ sv =>>fi fi[3 Uf <v r=>v r z<! <=>J <v =>vYx >fi uv=>vu vZv3
:	g“=>v& =>J>fi[Yl tr=>v> v@t>u r Yu z<xr>fiY <J YYZYx zYfi tr=>v>4 tr<auxv r Yu yr Yu! zvt v3	d fi[v<=>J!! “ tJ>fiwv wfi& >yv =fiJ <v fi< ! fi[v<trs v z=rtt auvYx “ JY! Jx wfi& >yv [r 3	63g>fi! =>J <v<“ r Yu <v&fiZv yr Yu! zvt v wfi& >yv v“v3 73N fi=>v z<xr>fiYt r&! >fi=>fi! wJ zu wfi[zYfi >yv tr=>v>4 r<auxv r Yu yr Yu! zvt v3 83f v! rt v >=>t yr&s v< >fi >yv yr Yu! zvt v >yr>= t fiYYvt >u >fi >yv >J s zYx3 93f vs fi fi>=>=>v&1! <v v r Yu >J Yv yr Yu! zvt v [yvY ! fi[v<=>J!! “ <=>J &v= -&rΩv =J <v >fi fi! vY z<xr>fiYt r&! sv wfi< =>v zYx >fi <v2! <v v r Yu >J Yv =“=>v&.3
;	f v&fi> NfiY>fi Yfi> [fi<ΩZYx [zy xfifu fi<Yv[sr>v<v=3	f v&fi> w&[r<v Yfi>v=I fiYuzYx >fi Ωv“ zY! J>3	Nfi<vt >Zv rt >fiYDf v=> >yv uvZt v s“ <v&fiZzYx >yv sr>v<v=r Yu [r zYx wfi< r> vr=>fiYv &zY >sv wfi< <v2Y=>v zYx >yv sr>v<v=3

bNM 6@HhEz & xxXk) X z . . m

k yvYr ! <dis v& r!! vr<[zy >v a a Nl >v v<=>=>v! zY>fiJ s v=yfifi>Yx z=>fi <&fiZv >v a a N t fi&! fiYvY=> wfi& >v Zauvfi =>J! 1r Yu >vYr=>J < >r>>v <=>fiw>v =>=>v& z=fi! v< >Yx t fi<vt>“3

5"l , XxL	i qXk 4z VH0@v
j zuvfi uz= r“ Yfi> t vY>v u fiY= <vY fi<vuxv fiw= <vY	Nyvt ΩZauvfi & fiYzfi<wfi<fiZv< rYfi<J Yuv< rYru@=&vY>3
b fi tr&v< Zauvfi	U=tr&v< ! fi[v<v u fiYI hJ<Y>v a a N fiw3UwZauvfi z=uz= r“vul>v zY! J>r Yu fiJ>J>trs v=>fi >v a a N r< <vZv<v u3 Nyvt Ωwfi<Zauvfi [yvYtr&v< z= Jxxvu uz<vt>“ zYfi & fiYzfi<3 U=Zauvfi zY! J>=> vt >fiYt fi<vt> fiYj Nf r Yu a fiYzfi<4 U=tr&v< ! Jxxvu zYfi j UOPc U fi<g> UOPc U I
b fi fiZv<r“ fixfi uz= r“vu	U=a a N ! fi[v<v u J! -! fi[v<zYuz r fi<fiYI L<v ! fi[v<t fi<u=> t fiYYvt >v t fi<vt>“I Nyvt ΩZauvfi t fiYYvt >fiY=DU 4 i hlg> zuvfi4 zuvfi3
b fi => >Yx= uz= r“vu	U=>v p H3y9Fd 3HY Zz=fiY vYyr Yt v&vY=>=>v& zYr => <xz r & fiuvI U=>v ur> trs v t fiYYvt >v t fi<vt>“I
c Zv<r“vu uz= r“= Yfi>Zz= v	Nyvt Ω & fiYzfi<ru@=&vY>3 U=& fiYzfi<=> >fi t fi<vt> wfi< >r>Db hgN fi<dL XI
U>v< > >Y> fi< wZ Ωv<Yx Zauvfi	Nyvt Ωr Zauvfi trs v=r Yu t fiYYvt >fiY=3 U=& fiYzfi<=> >fi t fi<vt> wfi< >r>Db hgN fi<dL XI
f fi zYx Zauvfi	U=tr&v< ! fi[v<v u fiYI j zuvfi wfi< >r> & r“ Yfi>sv =>!! fi<v u3 U=& fiYzfi<=> >fi t fi<vt> wfi< >r>Db hgN fi<dL XI
b fi => >r & zYx Zauvfi fiYt fiY=fi v	P>v<Yv>trs v t fiYYvt >vul Nr&v< J<Yv fiYI Nyvt ΩZauvfi t fiYYvt >fiY=3 N“t v ! fi[v<fiYa a N3 N“t v ! fi[v<fiY=>=>v& r Yu ! fi[v<J! a a N3
g“=>v& & fiuJ v=>v> & fi&vYr<“	k yvY>v ! <dis v& fi t t J<=> >v =>v& [z rJ fi&r> r “ J<Y fiY>v z=>xr> fiYZr Zv fi ! <fiZauv t fiY>YJ fiJ=z=>xr> fiY3g“=>v& & rZy w Yt >fiY=>J ty r=r=> z> fiYr Yu J >=>fiJ Yu [z t vr=> fi fi! v<v 3 hfi <v=>J & v =>=>v& fi! v< >fiYI! v<v fi< >v wfi fi[zYxD L3S fi fi BSj0@BP2SSG3 MBf v! rtv >=>tyr&sv<fiY>v J >=>fiJ Yu yr Yu! zvt v3 N3gv vt>72Y SNGRC0G83 O3Rfi fi[zYx =>tt v=>w ! <&v r Yu J Yv l >v =>=>v& [z xfi fi => <xz r & fiuv fi <v=>J & v fi! v< >fiY3

5 th L , XxL	i qXk 4z VH00 v
Si UyJYx J! rYu =“& t vr=vu fi! v<xfiY	k yvY>yv ! <fis v& fit t J<=l >yv =“& [z rJ &fi&r>tr “ J <Yc b >yv <xr>fiYZr Zv &fi ! <fiZuiv t fiY>YJ fiJ =<xr>fiY3g“>& r Yu a a N Yvu &fi sv <=r <vu &fi <=J &v fi! v<xfiY3 hfi <=r <=“& l! v<fi< >yv fi fi! zYxD L3d fi! v<ufi! Y=“& s“ ! <=zYx r Yu yfi uzYx >yv >Yus“ ! fi! v<=J zt y zY >fiY>fiw >yv =“& 3 MBk r>J Yz >yv =“& ! fi! v<ufi! Yt fi&! v> “3 N3d fi! v<ufi! Ya a Ns“ ! <=zYx r Yu yfi uzYx >yv ! fi! v<=J zt y J Yz >yv >y>J <Y= s <xy><-zwYfi>r <ru“ ! fi! v<u ufi! Y.3 O3f v> <=a a Ns“ ! <=zYx >yv ! fi! v<=J zt y3 P3f v> <=“& s“ ! <=zYx >yv >Yus“ ! fi! v<=J zt y fiYt v3 R3f v! vr>=“& >J! >Y% vYt v172Y SNGRC0GS =“& &fi <=J &v fi! v<xfiY3

bMM 5th XxL nxk(0) H0YXk&Ykv i qqz 66x 02 6

i =v fiwYfiY2!! <fiZvu rttv=fi<v= ! rtΩ=fi< ! r<=&r“ rwwt>=“& ! v<fi< &r Yt v3h yv J Yr J >yfi< vu &fiuz>tr>fiY
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v% z! &vY>trJ =vu s“ =ty J Yr J >yfi< vu rt >3

L!! <fiZvu rttv=fi<v= [z svr!! <fi! <v> “ rsvvur=a rYJ wtJ <vu M’la rYJ wtJ <vu Rfi<fi<O>=>J >vu M’
MfJ =ty0 <Xfi&s 3Rfi<r t fi&! v> >=fiw!! <fiZvu rttv=fi<v= ! vr=vt fiY=J >“fiJ< fitr MfJ =ty 0 Xfi&s tr> fix
fi<t fiY>rt>“fiJ< fitr MfJ =ty0 <Xfi&s <v! <vY> >Zv3

Sth metly Edth u 5th XxL y0X

g“>&	MX6669:	pH3y9Fd 3HY L Yv<fi<g“>&
g“>&	MX699: :	pH3y9Fd 3HY d fi=>v<fi<Nfi&s zYvu g“>&
g“>&	MX6: 9: :	pH3y9Fd 3HY d fi=>v<fi<Nfi&s zYvu g“>& [zy Xr=>

i kX 0X0i qqz 66x 02 6

Lttv=fi<	MX86A5	i >v=fiJ Yu dyrt fi Tr Yu! zvt v
Lttv=fi<	MX88AC	pH3y90H i >v=fiJ Yu Tr Yu! zvt v h<“
gfiw> r<v	MX: 865	f v&fi>v g v<Zt v gfiw> r<v
gfiw> r<v	MX: 895	a J >&vu> NvY>v<gfiw> r<v
a >v rYvfiJ=	MX98: 6i g	g“>& d fi! v<Nfi<u li Yzvu g>v>=
a >v rYvfiJ=	MX98: 6Pi f	g“>& d fi! v<Nfi<u lPJ <fi! v
a >v rYvfiJ=	MX98: 6i W	g“>& d fi! v<Nfi<u li Yzvu WzYxufi&
a >v rYvfiJ=	MX98: 6U X	g“>& d fi! v<Nfi<u lU> “
a >v rYvfiJ=	MX98: 6gk U	g“>& d fi! v<Nfi<u l g[>v<r Yu

a z v r YvfjJ=	MX98: 6NTU	g“⇒v& dfi[v<Nfi<u lNyZŸr
a z v r YvfjJ=	MX98: 7	RJ⇒v= lLN Ÿ! J> i ⇒v< f v! rt vrs v
a z v r YvfjJ=	MX98; 6	OJ⇒NfiZv<
a z v r YvfjJ=	MX98C5	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi M> ><“
a z v r YvfjJ=	MX98C6	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi k r Nyr<v<-[zyfiJ>rur! ><
a z v r YvfjJ=	MX98C7i g	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d i Yzvu g> >=>
a z v r YvfjJ=	MX98C7Pi f	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d PJ<fi! v
a z v r YvfjJ=	MX98C7i W	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d i Yzvu WzŸxufi&
a z v r YvfjJ=	MX98C7Vlb	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d V! r Y
a z v r YvfjJ=	MX98C7Li g	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d LJ⇒> > >
a z v r YvfjJ=	MX98C7f c k	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi Nyr<v<Lur! >d f v⇒fiwk fi<u
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a z v r YvfjJ=	MX98C9	d<&r<“ -Ÿ>x< >u. Rfifi>NfiY>fi M t Ÿ! Nrs v
a z v r YvfjJ=	Nl A675	i YZv< a rzŸ>Ÿr Ÿt v W>
a z v r YvfjJ=	Nl C955	a z vYYZj & p H3y90H f vJ⇒s v Ml fi r<Nfi<u [zy 7 dzYNfiYYvt >fi<
a z v r YvfjJ=	Nl C959	MŸŸr Ÿr d Jx Lur! >d f vJ⇒s v
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a z v r YvfjJ=	OB755	g> >zy>Ml fi r<Rfi< v!=53 q&& hz! Xv&fi NfiYYvt >fi<
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a z v r YvfjJ=	g75: 5 M	Ml fi r<Nfi<u [zy MŸŸr Ÿr NfiYYvt >fi<-Oz! fi⇒s v.
a z v r YvfjJ=	g75: 5 65L	Ml fi r<Rfi< v!=L Yx a tdyv<fiY@ MŸŸr Ÿr NfiYYvt >fi<
a z v r YvfjJ=	g75: 5 65g	Ml fi r<Rfi< v!=a tdyv<fiYg> >zy>@ MŸŸr Ÿr NfiYYvt >fi<

3x8x Qx Qi qqr 66x Q 6

nYXz) x®	5w7	nz 8qQ Xk
a fiuJ v	MX77A6	: 87 Y& Xr≡<&fiuJ v
a fiuJ v	MX77A7	: 87 Y& Xr≡<J! x<uv Ω>
a zt v rYvfJ=	MX98; 5	L ><Yr> a r“fi h<“ 2a v& Mrt Ω>
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a zt v rYvfJ=	PAC85	78 Sr Mz! fi r<NfirxJ r>fiYd<fis vl g zYx v J≡ Xv&fi
a zt v rYvfJ=	PAC86	78 Sr Mz! fi r<NfirxJ r>fiYd<fis vl g zYx v J≡ 72! zY
a zt v rYvfJ=	MX: 7B5	OJr UxW =fiYW>
Lttv=fi<	MX87A5	R<x&vYr>fiYTr Yu! zvt v
Lttv=fi<	MX8875	l vYfiYXr &! L= v&s “
Lttv=fi<	MX8876	l vYfiY2a v<J<“ r&! r= v&s “
Lttv=fi<	MX77C	d< &r<“ -UY>x< >u. g“=>v& Rfifi>NfiY>fi
Lttv=fi<	MX77C	gvt fiYur<“ -Xl6 . Rfifi>NfiY>fi
Lttv=fi<	MX8786	Xr≡<fi fi& zY>v<fit Ω fiZv<zu v Ω>“
Lttv=fi<	MX8798	Xr≡<fi fi& zY>v<fit Ω t fiYYvt >fi<
Lttv=fi<	MX8787	a zt<fi= fi! v &fiZrs v w><zY>v<fit Ω fiZv<zu v Ω>“
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Lttv=fi<	MX8789	Xr≡<c Y4e wΩ>“=
Lttv=fi<	MX77CB	Xl6 yvru =>
Lttv=fi<	MX878:	: 87 Xr≡<=rw>“ x r= v=
Lttv=fi<	MX878;	Rz] vu Rz>v<PgRnvz=
Lttv=fi<	MX878A	Rz] vu Rz>v<PgRk zu
Lttv=fi<	MX878C	Rz] vu Rz>v<PgRhfi! t fiY
Lttv=fi<	MX8795	Xr≡<72! fi=zt fiYPgRnvz=-&J=>sv J=vu [zy MX8797.
Lttv=fi<	MX8796	Xr≡<72! fi=zt fiYPgRk zu -&J=>sv J=vu [zy MX8797.
Lttv=fi<	MX8797	Lur! >fi<Rfi<a z vYYz] & r>v<w>v<-r fi[J= v<fi J= a z vYYz] & Rz>v< [zy <i>pH3y9Fd3HY</i> .
Lttv=fi<	MX8799	Wz>UY>v<fit Ω M“! r=NfiYYvt >fi<=
Lttv=fi<	MX879;	Xl6 Xr&! f v! rtv&vY>

CSzWtSPmGH ozzomP

5z @KQz Ykv 9 Y@YkXTM

hyz=tyr!> < t fiYx zY= zY=> J t > fiY= fiYyfi[> fi t fiYx t > M J = t yq0 cXfi&s > fi fis x zY=> < Z v fiY “fiJ < p **H3y9Fd 3HY** Zz=fiYvYyrYt v&vY>=“=> & l r=[v r=[r < < Y>“ r Yu vYZz fiY&vYx zYfi<&r> fiY3



l 6HU

v [BqBSjIqB]=HBakIBA R/ ISjBS/ S=B I] [B=URRBSABA US=B/ “B’ [jUBS]k[BjH’ j jHBp **H3y9F** d **3HY** ql]IUS BS’ S=BR BSj] “]jBR RBBj] lj] UjIR kR VB[D[R/ S=B2[BL/ : IIj “/ SA]/ D; “
lj/ SA/ [A]]Bj : “ jHB R/ SkD =jk[B[40HB R/ ISjBS/ S=B]H’ IL: BAUSB: “/ e/k]=H+ +UR: =B[jIIBBA ISAIqIAk/ LUSL’4



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u jHB[jH’ S R/ IS D[B] / SA L RV]2jHI]] “]jBR =LSj/ IS] SUV/ [j] jH’ j / [B] B[ql=B’ : IB: “ jHBk]B[4 d ILR/ ISjBS/ S=B]H’ IL: BAUSB: “/ e/k]=H+ +UR: =B[jIIBBA ISAIqIAk/ LUSL’4

cNPM 5z @KQz tk(x@ YXOk

q’TM50Y3WFFHJ5TM

L =z=x Yt v wfi < p **H3y9Fd 3HY** Zz=fiYvYyrYt v&vY>=“=> & z=rZrZrs v wfi& S fisr d<fiuJt>gJ!! fi<D

M J = t yq+ cXfi&s Ut fi< fi< > u
88; : h<v NfiJ < UYuJ => < M Zu3
g>XfiJ z=la z=fiJ < ; 8677 i 3g3
L > > Yx fiYDS fisr d<fiuJt>gJ!! fi< Ov! r < & vY>

y> B[[[3rJ = t y3 fi&4YPNd4Rfi<mfij < d< t > > vqJ < < r 2gJ!! fi<

- Rfi<! <fiuJt>=J!! fi< < X YWGjV B D B o ctr > yv 792yfiJ < < v! yfiYv zYv 62B55288B27575 fi<w] ; 8; 277; 285A53
- Rfi<! <fiuJt>=J!! fi< < wfi& z0j9RSjV B D B o cvzyv<tr 62; 8; 277; 28; 8: 1=>Yu r w] > fi 62; 8; 277; 285A51 fi< t fiYx t > “fiJ < fitr M J = t yq0 cXfi&s d<fiuJt>gJ!! fi< < f v! < < < Yx > Zv - z=>Yx fiw fitr fiw v = => < < fiY! r x v q A27.3

d vr=> fi< r Yz v “fiJ < & r > < < s v wfi < tr zYx fi< [< < zYx wfi < < t yYz r =J!! fi< < d vr=> yrZv > yv wfi fi[zYx zYfi<&r> fiY < ru “D

- NJ => fi&v<rt t fiJ Y> YJ & s v<
- b r & v fiw w Yt > fiYl yr Yu! zt v l v > 3 > r > Yvvu = => < Z v
- a fiuv YJ & s v< f PR (. r Yu => < YJ & s v< gb (. fiw p **H3y9Fd 3HY** Zz=fiYvYyrYt v&vY>=“=> & l fitr > u fiY > yv rsv fiY > yv srt Ω! r Yv
- Or > fiw! J < yr=>

i H&X^QEDY

pN09PWT/ z- Oo 09j2N^{YN}7j+a/ jRc, B02V^{YN}^M
 S <fiJ Yu R fifi<6; S zwMfit ΩLZv3l
 a rt%Ŧr<v dr<Ωlb gk 7668
 0; 6 -5. 7 C8C5 6BB7 -c wv v.
 0; 6 -5. 956 A57 ; ; 6 -a fisz v.

i H&X^Q

pN09PW, / z- Ou - Ow
 c wv v dr<Ω64hfi! M57
 6855 k zvYlc v=>v<vz y
 hv D9C2, 7762B786B9

I z ð CHL

pN09PW, / z- O
 i zs <vzizYx=>r>9;
 7; 55 L YŦ v< vYMv xzJ &
 / hv D872827B52B7295
 / Rr] D872827B52B72 C

I z @ HvY

pN09PW, / z- OpS2- 0RN6 WPS
 S z s fiY=Mux3
 dŧ 3Mfi] 66: 9
 Tr&z>fiYlTa Pl Mv<&Jur
 hv D99627C 26599
 Rr] D99627C72 695

I @: E

p/ yGR09j2N6 jYN/ Cr o c
 f Jr OfiYr L •zr 168C
 C666525651dfi<fiL vx<vlf g lMkr•z
 hv D : 2 6288C827555
 Rr] D : 2 6288C827655

p/ yGR09j2N6 jYN/ Cr o c
 LZPYx' XJz Nr<fi=Mv<zYzl 6A55 26: 'rYür<
 59: A625552grfi drJ fi 2Mkr•z
 hv D : 2662878B27C55
 Rr] D : 2662 : 5; 2 : 7B

Rp'9WTMy5 t y99y5I

nYkYvY

pN09PW, / z- OqNGNRN

: 75 L!! v[fifiu N<v=t vY>

j rJxyr Ylc Y✕ <fi X9W9M9

NrYrur

hv DC5: 2 C 2A C

RrJ DC5: 2 C 2A ; ;

/ hv DB552 ; A27; C

/ RrJ DC5: 2 AB25658

NJ =>fi&v<=>v<Zt v 62B5528BA287B9

m QkY

pN09PWT/ z- OBWNGWNYq z2@z2NjS 6 UYPS

7ARlc Yv UNNd r•r l

b fi3CCCT Jrzyr za zuu v f firu

gyr Yxyr zl7555861d3f 3NyzYr

hv DB; -5.76 ; 5872A6BB

RrJ DB; -5.76 ; 5872A655

p@kqz

pN09PW, / z- Ot 2NGFS Bo B

96; <J v gr&Jv a fi<v

Xv a z vYr z<v

NgAC55:

89C; Aa fiY! v zv<Nvuv] 7

R<Yt v

hv D88292, A267285285

RrJ D88292, A267285286 -S vYv< .

/ hv D88292, A2672852 B

/ RrJ D88292, A2672852 ;

pN09PW, / z- Ot 2NGFS Bo B Ir Yj6 @9 6 UYPSM

hv D882928A29B2B82B8 f vt v! >fiY

RrJ D882928A29B2B82B9 f vt v! >fiY

r z @ YkTM

pN09PW, / z- Ou - Ow

l& gtyJ &rt yv<v[rYY9

; C678 Tvzuiv s v<x

S v<&r Y⁺

hv 3D09C; 776 4B786B9

RrJ 3D09C; 776 4B7869C

T fi>zYv -[zyzyS v<&r Y⁺. 5B55 7788886

T3M u VB[/jU,] s / Sk/L

MCCa67ht

r ®z qz

pN09PW, / z- Ou 2SSPS
MfJ≠y 0Xfi&s Mj
: CML! fi⇒fi fi! fiJ fiJ ⇒
6: 7 86 W3Tr r Yü<
L>yvY=IS <vt v
dyfiYvD085 765 ; A9B775

s xk) wkk)

pN09PW, / z- OIwzGV) zGVM jR
f fifi& 6: 5725A16: 4Rlc Yv Wfi[fifiYl
6 k r Yx mJ vYg>vv>Wfi[fifiYM“
T fiYx WfiYx
hv D0B: 7277688888
Rr] D0B: 727: ; AB6A5

tkv0r

pN09PW, / z- Os +SPN2S IyM 1j / jRc
8< R fifi<M2k zYx1
j r>0r Rz⇔Üüx d rt v1
b vr<a 3 3f firu a v>fi g>fiYl
S J<xfiY26775571Tr<r Yr3
hv DC62679296: 72655

tkvxkz 80r

pN09PW, / z- OIyGRzGS9YKM
t4fi ruu<=zYgzYxr! fi<1=vv gzYxr! fi<

tWE^M

pN09PW, / z- Ojy6 4 Bc@Nc
ÜüDj 3v a r<v≠Yr 67
755C5j z&fiu<fiYv -a U
hv D5737A95A855
Rr] D5737: ; 5AB94AC
gPfj UüÜ NXUPb hUNTuf i f S UL
hv D573C69B8B: 6
Rr] DB5536A8C86

Rp'9WTMy5 t y99y5I[®]

uY, Yk

pN09PW, / z- O(N[®]NG/ jRc
hfi[v<Mlc &fi<Mv !fi<
; 27; 271a zYr&z_c zlgyzYr_{xr}[r20J
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/ hv DB6282 A; 828A55
/ Rr] DB6282 A; 829558

wk[®]Y

pN09PW, / z- OB02VYTM
68R Wh+ S Wfi=&fi Orvt yz_hfi[v<1
(C9: 265 Orvt yz_ufiYx1S rYxYr &2xJ1
gvfiJ 68: 27B51Wfi<v

gJ<x_r 4L!! _rz_{fi}YPYxzYv<
-B7. A52A6; A2CB5; -c w_zv.
-B7. 72; 997268: 7-Rr].
-B7. 652BCAB28575 -a fisz v.

. YEYTM60Y

pN09PW, / z- O4 N^N9Y^NBRGp VR
8<u R fifi<M_rYxJYrYhT WlXfi>7L
V_rY7984 6L19; 655 dv_r zYx V“r
gv rYxfi<Or<J Py_rYla r r“_r
/ hv D, 5282A; B52BB7B
/ Rr] D, 5282A; B52BBA6

. z[®]Qx

pN09PW, / z- O4 S&Pz Bw dS q dEc
LZ3grY_r Rv (: 5: 1dz=fi;
Nfi fiY_r N<J• a rY_rlgrY_r Rv
Ov vxrtzfiYNJr[®]&r !r
a v] _rfi O_R3
N335: 89C
hv D 72 : 2852; A29; 55
Rr] D 72 : 2852; A29; : B
/ hv D 72 : 285; A29; 66

T3P u VB[/jU,] s / Sk/ L

M[®]COu67ht

1 z X z @kv&

pN09PW, / z- Op&c
Wifi yfiZvYrrY665
666Cb T gtyzl yfi 2f z@
hyv b v>yv<r Yu=
hv D862752; : 2 92: 55
Rr] D862752; : 28A2BA6
/ hv D862752; : 2 92: :
/ Rr] D862752; : 28A2BA8

1 z % WY[®]kv

pN09PW, / z- O5 L / jRc
7L Rz=yv<N<vY>
a >3k v zYx>fiY
LJtΩr Yu1b v[nvr r Yu
/ hv D; 92C27: C27A; 7
/ Rr] D; 92C27: C295; A

3- @ , 0kz &

pN09PWT / z- O7 WY[®]@Y[®]S9 yGpc
7Yu R fifi<4a v>fi O<J x Ut 3t fi&! fiJ Yu
a r Yr rt LZvYJv1MxJ&s r“r Y
hrxJzx Nz‘1dyzz! zYv=
hv 4Rr] D0; 87 9ABC5; 5

3x@H) YE

pN09PW, / z- OBo cIB0P029N⁷z2j0VNM
LZlur f *!Js π17:
R<t ¼fi ; L
65: 526B; Xz=s fir
dfi<J xr
/ hv D8: 6276927926: 65
/ Rr] D8: 6276927926: 6C
gi f SUNLXNXUPbhg bi a MPf gD
>v 3558: 6B5B7586AB
w] 558: 6B5B7586AC

50k) Y, x@

pN09PW, / z- OIBMjSc/ jRc
MfJ=tyet çXfi&s -g. d> Xu
6: 6 Xfi<fiYx NyJr Y(59258L
b v[hvt y dr<Ql Xfiss“ N
gzYxr! fi<v : : ; A96

M/COa67ht

u VB[/jU,] s / Sk/ L T3T

Rp'9W[™]y5 t y9y5K

/ hv D; : . ; B89 C667
/ Rr] D; : . ; 7B; 599B

5xHX- i (@qY

pN09PW, / z- OBz0jW6 U2YN7j+c/ jRc
d3c 3Mfi] : 98: 1f zZiYz
767Blgfij>y L w4r

pP'Hy 9'FU
pN09PW, / z- O
69j fi"rxv<g>vv>
XzYs <fi c w4v dr <Ql
gr Yu>fiYlgfiJ>y L w4r
hv D7A26628A7 : ; 55
Rr] D7A26628A7 : ; 5:

5, Ydk

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LZur3j r uv r!r<4r 9
7B65BL t fisvYur=-a ru<4i. g!rzY
hv D892C62 : A2 855
Rr] D892C62 ; 6297; ;
/ hv D892C5728B62565
/ Rr] D892C5727: 52865

5%zvzk

.c '54 y92Ae (53y5 Al 69'y@y5 p"" '5/
pN09PW, / z- O5 z2RPo p
gäuv<a l r<4r Yü19:
d3c 3Mfi] 6: 5A5
g2659 ; : g>fit Öyfi &1g[vuvY
hv D9; 2B2 6; 2C 55
Rr] D9; 2B2 ; C2B; 78
/ hv D9; 2B2 6; 2C B;
/ Rr] D9; 2B2 : B27: 96

5%0k z @Ykv

pN09PW, / z- OBX99ou
S fi>y r<4i>4r=7
NT 2; 856 nJx
hv 096 96 A9A65 ; 5

T3W u VB[/jU[,] s / Sk/L

M'COu67ht

6Y0%Yk

pN09PW, / z- OCNXNG/ jRc
66y R fifi<l b fi36571 gvt >fiY9
NzZz MiJ vZr<u
hrz! vz65; C5
hrz[rYlf v!Js z fiwNyzYr
/ hv DBB2; 727AA; 2595B
/ Rr] DBB2; 727A9629CA5

6- Y0Ykv

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6C>y R fifi<li Yz>6C5C2671
b fi<y gr>yfi<Yf firu l
gz fi& lMf Yx<Q lMf YxQfiQ65; 55
hv D; ; 72; 98ABBB

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grYz'v P<&J>J gQgr=&r• d r•r Wr>366
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Rr] D0C5376; 3B9 C9AA

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65; 2669 XfiYufiYf firu
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gJ<<v“ Wh7 ; hb lPYx rYu
hv D992752BAB627C55
Rr] D992752BAB627C56
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/ Rr] D992752BAB625556
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v vt>fiYt t fi&!fiYvY>rYū v>Zl &vY3

cM M 9 Y<vYkXTMtk(x< YX0k

pH3y9F^d3HY W065 '5-y5TM4 '5H<H4 t y99y5K[®]

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vfi<r !v<fiu fiw< v Zv -67. &fiY>=vfi& >yv ur>v fiwuv zZv<“ [yvY!<fi!v<“ zY>v v u l &r zYr zYv rYū J=vu fi<Z>
zYvYūv !J<fi=rYū zYrttficūYt v [zy r &rYJ wt J<v<=zY>Jt >fiY=

hyv v[t J=Zv <v>v“ vfi<rY“ s<vrt y fiw>v=k r<vY“1rYū MfJ=yq< qXfi&s,=fiY“ <v=fiY>sz z z“ >yv<vfi<v l
>yv sv l r>MfJ=yq< qXfi&s,=fi! >fiYl >yv <v! r<vfi<v! rt v&vY>fiw>yv YfiYt fiYfi< >Zx uvwt >Zv v>Zl &vY>fi<
t fi&!fiYvY> >yv<vfiw b fiYt fiYfi< >Zx fi<uvwt >Zv !r<v>v<v“ sv v>yv<v! r>v v fi<v! rt vu [zy Yv[l<v>v<v>yv u l
fi<v<v &rYJ wt J<v u !r<v>v>MfJ=yq< qXfi&s,=fi v u zt <vfiY3L Y“ >Jt y YfiYt fiYfi< >Zx fi<uvwt >Zv !r<v>v<v [yz y
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!r<v>v<v fiZu v JYuv<v>v=k r<vY“ &r“ sv >J!! >v s“ MfJ=yq< qXfi&s fi<rY“ fiw>v r w>v>v=fi<rY>v fi<v u
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uv zZv<“3

MfJ=yq< qXfi&s <v>v<Zv= >yv <v>v>v fi uvY“ [r<vY“ t fiZv<v v l rYū >yv yrZv Yfi <v=fiY>sz z z“ >fi <v! r<vfi<
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zY>Jt >fiY=1-s. >yv YfiYt fiYfi< >Zx“ fi<uvwt >r<v>v= vfi&l fi<v<v r>v >fi l rY“ >v<Zt v fi<v &r zYvYrYt v fiw
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fiw>yv v>Zl &vY>fi<v>v t fi&!fiYvY>=fi>yv<v>yv Y>v fi= !J<yv=vu vfi&l zY>v v s“ fi<r!! <fiZv v fi<J= v s“
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yr=svvYr >v u l Yv v t >v l rs J=vu fi<v>v= v u l -v. >yv pH3y9F^d3HY Z=fiYvYrYt v&vY>=“>v& yr=
svvYv fitr >v u l <v>v>v v u fi<v>v Yr!r<v>v“ rY“ !v<fiY fi>yv<v>yv Y MfJ=yq< qXfi&s fi<v>v r J>v fi<v u >v<Zt v
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uvwt>=Yfi>v! fi<vu <fi MfJ=yq0cXfi&s zY[<zYx [zyZY>yv < v Zv -67. &fiYy [r<Ys' ! v<fiu3hyz=k r<Ys' ufiy=Yfi>r!! “ <fi Yfi<&r [vr<r Yu >r<fi<uz! fi=s v t fi&! fiYvY=J=vu zYtfiYYvt <fiY[zy >yv pH3y90Fd3HY Zz=fiYvYr Yt v<vY>=“=>&3

poDBqw T/ 64 p s Hq/ Dr s Bo 5 r r yBq/ o y4 Bo // 6 Cws A F o AAo 5 Cys B6 A As 7As Bs 5 Co Cy6 5 BAs / oCy5 u C6 Cws pH3y90Fd3HY 19YGSWGNS- SGj 9+9jS- F ws Cws A s H7As BBay4 7/ ys r 6 A o AyBy5 u pK6 7s Ao Cy6 5 6 t / oF ay5 q/ Dr y5 u apDC 5 6 C/ y4 yCs r C6 ao 5 K F o AAo 5 Cys B6 t 4 s Aq wo 5 Co py/ yCK 6 A t yC5 s BBt 6 A o 7o ACyq D/ o A 7DA76 Bs c y5 5 6 s Es 5 C Bwo // poDBqw T/ 64 p ps / yo p/ s t 6 Aao 5 r yCB7s qyt yqo // K r yBq/ o y4 B As B76 5 Byp/ yCK t 6 Aao 5 K y5 qyr s 5 Co/ aq 6 5 Bs : Ds 5 Cyo / aB7s qyo/ 6 A s Hs 4 7/ o AK r o 4 ous B6 A s H7s 5 Bs Bo AyBy5 u 6 DC 6 t Cws 7DAq wo Bs 6 A DBs 6 t Cws pH3y90Fd3HY 19YGSWGNS- SGj 9+9jS- 6 A CwyBF o AAo 5 CKas Es 5 yt poDBqw T/ 64 p wo Bps s 5 or EyBs r 6 t Cws 76 BByp/ yCK 6 t BDq w/ 6 BBar o 4 ous 6 A s H7s 5 Bs cCws / yo py/ yCK 6 t poDBqw T/ 64 p C6 Cws 7DAq wo Bs A 6 A o 5 K DBs A t 6 A o 5 K q/ o y4 As / oCs r C6 Cws pH3y90Fd3HY 19YGSWGNS- SGj 9+9jS- 6 A CwyBF o AAo 5 CKaF ws Cws A y5 q 6 5 CAo q Ca C6 ACaBCAyq C/ yo py/ yCK 6 A 6 Cws AF yBs aBwo // 5 6 C s Hq s s r Cws 7DAq wo Bs 7Ayqs 6 t Cws pH3y90Fd3HY 19YGSWGNS- SGj 9+9jS- 7o yr C6 poDBqw T/ 64 pc

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P vt>ar w=> xY=>vY>4sJ<=> UPN ; 65552929	04q;70j wfi<! fi[v<=>!! “ zYv= 04q;60j wfi<vY! J>4 fiJ>J> zYv=	04q;70j wfi<! fi[v<=>!! “ zYv= 04q;60j wfi<vY! J>4 fiJ>J> zYv=	a rzY=>fi[v<vJr z>=>vfiJ u sv r>fiwr>=>v! ar t fi&&v<v fi<yfi=>v vYZzfiY&vY>3
gJ<v UPN ; 6555292	04q;60j uzww<vY> &fiuv 04q;70j t fi&&fiY &fiuv	04q;60j uzww<vY> &fiuv 04q;70j t fi&&fiY &fiuv	a rzY=>fi[v<vJr z>=>vfiJ u sv r>fiwr>=>v! ar t fi&&v<v fi<yfi=>v vYZzfiY&vY>3
j fi x xv uzl =>vfi< zY>v<J!> fiY=r Yu Zfi x xv Zr<v fiY= fiY! fi[v<=>!! “ zY! J> zYv= UPN ; 655529266	:) i _h -C) uzl zY i _h . wfi<5t q “t v 95) q _h -; 5) uzl zYi _h . wfi<: q “t v= A5) i _h -85) uzl zYi _h . wfi< 7: q “t v= F:) q _h -HC) uzl zYi _h . wfi<: qv	:) i _h -C) uzl zY i _h . wfi<5t q “t v 95) q _h -; 5) uzl zYi _h . wfi<: q “t v= A5) q _h -85) uzl zYi _h . wfi< 7: q “t v= F:) q _h -HC) uzl zYi _h . wfi<: qv	a rzY=>fi[v<vJr z>=>vfiJ u sv r>fiwr>=>v! ar t fi&&v<v fi<yfi=>v vYZzfiY&vY>3 Uwwyv J=>vfiw>v pH3y9F0d3HY ZzfiY vYyrYt v&vY>=>v& vJ zv=t fiY>YJ vu fi! v<vYiY uJ<vY! fi[v<vY>v zY>v<J!> fiY= l z>v<v t fi&&vYuvu r>v>v pH3y9F0d3HY ZzfiY vYyrYt v&vY>=>v& sv! fi[vsvu wfi& r YJ YZ>v<J!> v! fi[v<=>!! “ fi<sr>v<3
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$$MCOa67ht \quad uVB[jU,]s/Sk/L \quad WBT$$

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53	53B	53B	53A8
6	637	637	73
65	83B	83B	A3
655	67	67	78
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	Nfi&! J>< yr<u[r<v	Tr<u O<Zv fi<gfi zu g>r>v O<Zv h[fi LJu>fi g! vrΩv<= h[fi i gM! fi<=> P>yv<Yv>! fi<v

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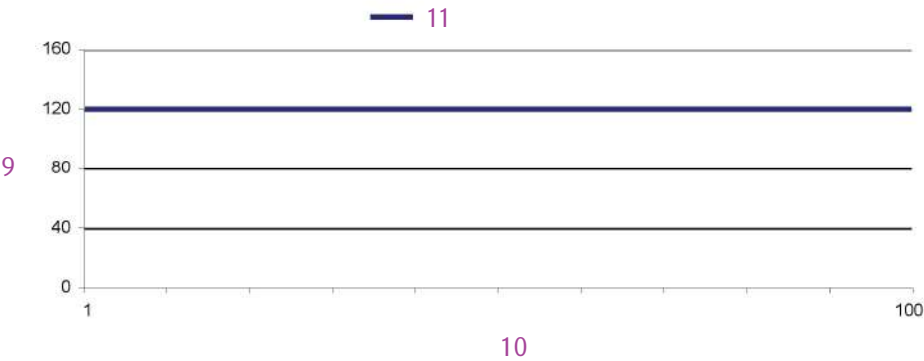
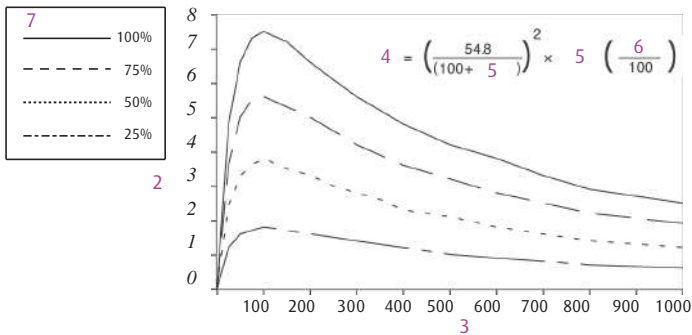
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a J >! v Mf <=>i x=fiJ Yu a fiuv	<p>a r] z&J & d fi[v<D8: qk r>=K r!! <fi] 3C55qiy&= R<v% vYt “D7B3 qIT • Yfi&zYr f r YxvD7qfi ; 55q&=vt 3sJ <=>[zu>y a r] z&J & OJ>“ N“t v/ D. 5qfi CC) zY6) zYt <v&vY>= a zYz&J & OJ>“ N“t v/ D6q2: 5) zY6) zYt <v&vY>=3 k rZvfi<&DP Yrs vu -f z=hz&v 7.1Ozrs vu -f z=hz&v 6. NfiY<fi D6 sJ <=>r>&zYz&J & uJ>“ t“t v r>=>x<fiw zYvr< t fiY>fi <xzfiY3Ux>Zr uvt <r>v=J Yz &r] z&J & uJ>“ t“t v z=t fi&&r Yvvu r>vYu fiw zYvr<t fiY>fi <xzfiY / Lt>Jr OJ>“ N“t v f r Yxv z= z&zvu s“ >yv Mf <=>k zu>y gv>Yx</p>

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hv&! v<J<v f r Yxv	c ! v< zYxD65‘ N >fi 8: ‘ N -: 5‘ R >fi C ‘ R. g>fi<xvD275‘ N >fi ; 5‘ N -29‘ R >fi 695‘ R.
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a fiZrs v w><zY><rtv	g“=>v& zY><fit Ω zY><rtv >fi r 7! fi=>fiY & < <fi! v w>< NfiYYvt >fi<rZr zrs v >fi rur!>v] z=>Yx 7! fi=>fiY w><=> >fi =>=>v& Lur! ><rZr zrs v fi<srt Ω[r<u=t fi&! r>s z z< >fi a z vYYJ & 7! fi=>fiY w><=>3-MX8797. — M+ X!r<YJ & sv<Nl : CC; Uf UOP1 859C9 k UXO — M+ X!r<YJ & sv<Nl : : C; Uf UOP1 859C8 nPlêg Ww“ zYt Juvu [zy vrt y =>=>v& >fi sv J=>u [yvYr w] vu w><=> zYJ=>
f fi fi& zY><fit Ω	g“=>v& <fi fi& zY><fit Ω g&r<Ωw“ zYt Juvu [yvYJ=>u zYr <fi fi& [zyfiJ>r <fi fi& zY><fit Ω t fiYYvt >fiY NfiYYvt >fi<rZr zrs v >fi rur!>v] z=>Yx <fi fi& zY><fit Ω
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P&v<xvYt“ =>fi! sJ>fiY	NfiYZvYzvY>“ fitr>u fiYwfiY>fiw=“=>v& MrΩ z>fi sv t vr<“ Zz=s v zYr ur<ΩvYvu <fi& c w[yvY>yv r=<ΩN“ z=fiw c Y[yvY>yv r=<ΩN“ z=fiY MzYΩYx zw>yv v&v<xvYt“ =>fi! wYt >fiYz=rt>Zv3-N“t zYx >yv r=<ΩN“ [z t vr<v&v<xvYt“ =>fi!.
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
dNM 5™ & L yYhz

<p>BAUSCH + LOMB</p> <p>Stellaris Elite™ Vision Enhancement System</p> <p>MANUFACTURER Bausch & Lomb Incorporated 1400 North Goodman Street Rochester, NY 14609 U.S.A.</p> <p>EC REP Bausch & Lomb Incorporated 106 London Road Kingston-upon-Thames KT2 6TN, UK</p> <p>DATE OF MANUFACTURE CCYY-MM-DD Made in: aaa</p> <p>CE 0197 R_x Y0</p> <p>REF BLxxxx 10nnnnnnn SN PPPnnnnn</p> <p>FCC ID XK5-BMPSR</p> <p>FC XK5-BMPSR Steute</p> <p>CE 0197 R_x Y0</p> <p>© Bausch & Lomb Incorporated 015000662/4129801</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">UDI CODE PLACEMENT</p>	<p>BAUSCH + LOMB</p> <p>Foot Control</p> <p>MANUFACTURER Bausch & Lomb Incorporated 1400 North Goodman Street Rochester, NY 14609 U.S.A.</p> <p>EC REP Bausch & Lomb Incorporated Kingston-upon-Thames KT2 6TN, UK</p> <p>CE 0197 R_x Y0</p> <p>Use only with BL4391</p> <p>REF xxxxxx xxxxxxxxx SN PPPxxxxx DATE OF MANUFACTURE CCYY</p> <p>Made in: xxxxxxxx</p> <p>BATTERY VOLTAGE 3.6V</p> <p>FCC ID: XK5-BMPSR Grantee Code: UMT-BT-REMOTE</p> <p>010075770000000</p> <p>21xxx00000</p> <p>015000586 / 4111705</p>
<p>a rZYg“⇒v& Xrs v</p> <p>d<&r< -U&vx< >vu. Rfifi>NfiY&fi Xrs v</p>	
<p>MANUFACTURER Bausch & Lomb Incorporated 1400 North Goodman Street Rochester, NY 14609 U.S.A. Made in U.S.A.</p> <p>EC REP Bausch & Lomb Incorporated 106 London Road Kingston-upon-Thames KT2 6TN U.K.</p> <p>DATE OF MANUFACTURE XXXXXX</p> <p>2 x AA 3V CE 0197 R_x Y0</p> <p>015000587/4126403</p>	
<p>Xr<v f v&fi> NfiY&fi Xrs v</p>	
<p>REF BL2111 SN REMxxxx 101028117 Remote Control</p> <p>0100757700480845</p> <p>21REM00000</p>	<p> 100-240V ~ (2)T 10AL 50 / 60 Hz 250 V 1000 VA</p> <p>015006219 Rev. B</p>
<p>g&r f v&fi> NfiY&fi Xrs v</p> <p>g“⇒v& dfi[v<r Yu RJ⇒v Xrs v</p>	

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u VB[/jU,] s /Sk/L W8C

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<p>BAUSCH+LOMB  4/7c EF BL4390 211138162</p> <p>Itt EFt sgr pCeeyP</p> <p> SN Caution: Accompanying documents</p> <p> RECYCLING Caution: Accompanying documents</p> <p>12611174605146913</p>	<p>BAUSCH+LOMB</p> <p>Rechargeable Li-ion Battery</p> <p>REF BL4390   3.6V</p> <p>015000685/4035701</p>
<p>d<er< -U>x< >u. Rfif>NfiY>fi M>w<' Xrs v</p>	<p>d<er< -U>x< >u. Rfif>NfiY>fi M>w<' Xrs v</p>



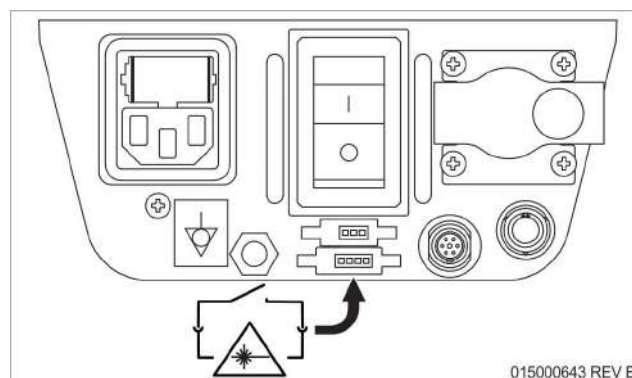
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l vYfiY2a v<J<' Xr&! Xrs v



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r SjSGj

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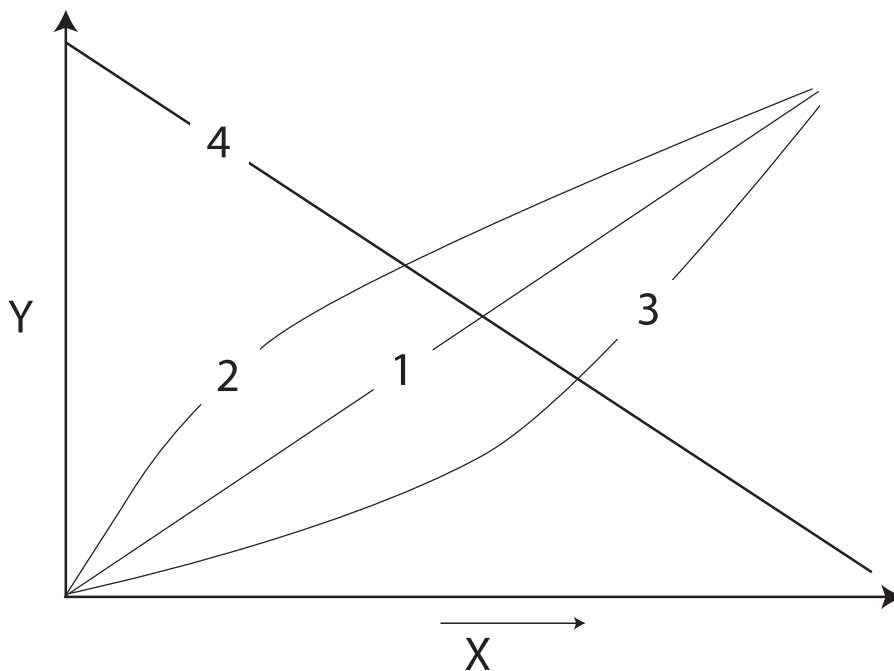
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 Nr=>v>v RJ 926
 Nr=>v>v b vr<Yx RJ 926
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 Mz fi r<Ltt v=fi<v= : 27
 Rfi<i 3W3 : 266
 U<zr>xfiY4L= z<xfiY : 28
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 N fit Ωa vYJ 7278
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 U<zxr>fiY 9288
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Uj j z>vt>fi&“ B26A
Uj dfi v B267
a a N B27
dy“=Ar B27
f v&fi>v NfiY>fi B266
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j rtJJ & R J zuz= B26A
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dyrtfiv&J =zmr>fiYb vvu v : 266
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Bausch & Lomb Incorporated
3365 Tree Court Industrial Blvd., St. Louis, MO 63122 USA



Rev. 2017/10
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VALEANT

1400 North Goodman Street Rochester, NY 14609, USA

DESCRIPTION: YE ppyò GpE CR25566 esi CR26566 Ut ' È yò yb' l y,' SesMep0KCR0YaR

PART No.: 5246A12GT

SPEC No. or SPEC DIMENSIONS:

SPECIAL INSTRUCTIONS: Ft pò hE i

PRINT SUPPLIERS: Please refer to Valeant's *Print Supplier Guidelines*

BLACK	CYAN	YELLOW	MAGENTA				
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Stellaris Elite
Vision Enhancement System

Stellaris ELITE™ Catalogue



**BUILT FOR THE NEXT GENERATION.
BUT READY FOR THIS ONE.**

BAUSCH + LOMB

Table of Contents

4	Vitrectomy Solutions for Any Practice (Hardware and Accessories)
11	Illumination
12	Laser
16	Instrumentation
23	Vitreoretinal Tamponades
25	Anterior Capabilities
29	Product Reference

NEW!

SE5520M / SE5520W
20G Combined Pack

Pack Includes:

- A 20G Vitrectomy cutter
- B 20G Midfield light pipe or Wide angle light pipe
- C 20G MVR knife
- D Scleral plug package - 19 & 20



NEW!

SE5420M / SE5420W
20G Posterior Pack

Pack Includes:

- A 20G Vitrectomy cutter
- B 20G Midfield light pipe or Wide angle light pipe
- C 20G MVR knife
- D Scleral plug package - 19 & 20



SE5523M / SE5523W
23G Combined Pack

Pack Includes:

- A 23G Vitrectomy cutter
- B 23G Midfield light pipe or Wide angle light pipe
- C 23G Valved ESA system
- D 23G Scleral plugs



SE5423M / SE5423W
23G Posterior Pack

Pack Includes:

- A 23G Vitrectomy cutter
- B 23G Midfield light pipe or Wide angle light pipe
- C 23G Valved ESA system
- D 23G Scleral plugs



SE5525M / SE5525W
25G Combined Pack

Pack Includes:

- A 25G Vitrectomy cutter
- B 25G Midfield light pipe or Wide angle light pipe
- C 25G Valved ESA system
- D 25G Scleral plugs



SE5425M / SE5425W
25G Posterior Pack

Pack Includes:

- A 25G Vitrectomy cutter
- B 25G Midfield light pipe or Wide angle light pipe
- C 25G Valved ESA system
- D 25G Scleral plugs



BL5280 Dual Infusion Kit

All the above packs come with the items below.

- 1 Cassette with AFI tube assembly
- 2 Second aspiration line
- 3 Infusion line
- 4 Drapes for Mayo tray, screen and remote control
- 5 Cassette stopper
- 6 Test chamber
- 7 Male luer coupler
- 8 Irrigation MICS sleeves x 2
- 9 Priming cup
- 10 Needle wrench
- 11 Pre-piercing spike assembly
- 12 Second stopcock



All the above packs come with the items below.

- 1 Cassette with AFI tube assembly
- 2 Second aspiration line
- 3 Infusion line
- 4 Drapes for Mayo tray, screen and remote control
- 5 Cassette stopper
- 6 Priming cup
- 7 Male luer coupler
- 8 Pre-piercing spike assembly
- 9 Second stopcock



SE5525MB / SE5525WVB
25G Combined Pack



SE5425MB / SE5425WVB
25G Posterior Pack



Pack Includes:

- A 25G Bi-Blade™ Vitrectomy cutter
- B 25G Wide angle or midfield light pipe
- C 25G Valved ESA system
- D 25G Scleral plugs

Pack Includes:

- A 25G Bi-Blade™ Vitrectomy cutter
- B 25G Wide angle or midfield light pipe
- C 25G Valved ESA system
- D 25G Scleral plugs

SE5527MB
27G Combined Pack



SE5427MB
27G Posterior Pack



Pack Includes:

- A 27G Bi-Blade™ Vitrectomy cutter
- B 27G Midfield light pipe
- C 27G Valved ESA system

Pack Includes:

- A 27G Bi-Blade™ Vitrectomy cutter
- B 27G Midfield light pipe
- C 27G Valved ESA system

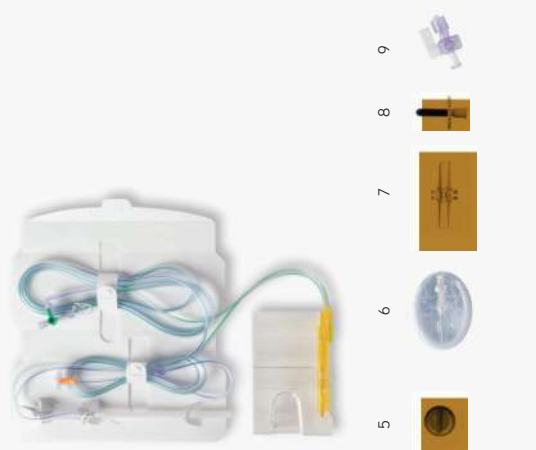
All the above packs come with the items below.

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- 7 Male luer coupler
- 8 Pre-piercing spike assembly
- 9 Second stopcock



Stellaris Elite™ Bi-Blade™ Vitrectomy Cutter

SE5625B 25G Bi-Blade™ Vitrectomy
cutter



= 6
STERILE

SE5627B 27G Bi-Blade™ Vitrectomy
cutter



= 6
STERILE

NEW!

Cutter for Stellaris Elite™ not compatible with
Stellaris® PC

BL5626 20G Vitrectomy Cutter



SE5623 23G Vitrectomy Cutter



SE5625 25G Vitrectomy Cutter



BL3394 Handle Extension



Valved Trocars

BL5281 23G ESA Kit-valved (kit of 3)



BL5282 25G ESA Kit-valved (kit of 3)



NEW!

BL5240 27G ESA Kit-valved (kit of 3)



BL5283 23G Single Trocar-Valved



BL5284 23G Replacement Valves



BL5285 25G Single Trocar-Valved



BL5286 25G Replacement Valves



BL5241 27G Single Trocar-Valved



Focal

BL5720 20G
BL5723 23G
BL5725 25G



NEW!

Mid-Field

BL5823M 23G



BL5825M 25G



BL5827M 27G



Wide Angle

BL5820 20G
BL5823 23G
BL5825 25G



NEW!

Diffuse Wide Angle

BL5823D 23G



BL5825D 25G



Adjustable Chandelier

BL5234 23G
BL5235 25G



Illumination Adapters

Synergetics® Adapters

5740 for use with Bausch + Lomb Stellaris ELITE™



Chandeliers*

Awh Vivid

56.54.25P 25G



Oshima Vivid

56.54.27P 27G



Awh

56.50.25P 25G



Oshima Dual

56.50.29P 29G



Illuminated Infusion Chandeliers*

Standard

56.30P 20G
56.30.23P 23G
56.30.25P 25G



High-Flow

56.34.25P 25G



*Adaptor is required with Stellaris ELITE™

Stellaris ELITE™

With fully integrated laser

BL2272 Laser Upgrade Kit



Laser module
Laser mounting brackets
E-stop and cabling
Key switch and cabling (2) keys
Laser drawer replacement cover
Laser power input module
Anterior module with laser support
Laser to power input module cabling
Laser optical patch cord
CAN and power cabling
Upgrade software kit
External new labels Goggles

Laser Filters



BL3236 Zeiss Fixed ESF



BL3240 Zeiss 2 Position Filter ESF



BL3245 Moeller Weidel Fixed ESF



BL3241 Leica 2 Position Filter ESF



BL3247 Leica 4-way Filter



BL3237 Leica Fixed ESF



BL3239 Laser Filter ESF Mount Topcon



BL3242 Adaptor for Fitting of 2 Position Filters



BL3246 LIO Replacement Bulb



BL3234 Laser On/Off Keys (1set)



BL3235 Laser Safety Goggles



BL3244 Interlock Bypass Connector Kit
- Microscope filter override key
- Microscope filter connector
- Laser room interlock connector



BL2394 Integrated New Design Footpedal



BL2298 Dual LIO



BL2296 Auxiliary Footpedal for LIO Use



Directional™ Laser Probes

Directional™ II Laser Probe

55.27.20G
55.27.23.23G
55.27.25.25G
55.27.27.27G



Directional™ Laser Probe

55.26.20G
55.26.23.23G
55.26.25.25G, 55.26.25S.25G



NEW!

55.26.27.27G



55.26.231 Laser Probe Directional™ 123G
Direct connect to Quantel Vitra and Supra

55.26.251 Laser Probe Directional™ 125G
Direct connect to Quantel Vitra and Supra

Extendable Directional™ Laser Probe

55.26E.20G
55.26.23E.23G
55.26.25E.25G



Inverted Directional™ Laser Probe

55.36.23E.23G
55.36.25E.25G



Straight Laser Probes

Straight Laser Probe

55.21.20G
55.21.23.23G
55.21.25S.25G
55.21.27.27G



Curved Laser Probes

Flexible Tapered Laser Probe

55.25.23.23G
55.25.25.25G



TruCurve Curved Laser Probe*, 37° Curve

55.23.20G
55.23.23.23G
55.23.25.25G
55.23.27.27G



Illuminated Laser Probes*

Curved Fixed Extended Illuminated Laser Probe, 37° Curve

55.69P.20G
55.69.23P.23G
55.69.25P.25G



Straight Fixed Extended Illuminated Laser Probe

55.62.23P.23G
55.62.25P.25G



Flexible Tapered Illuminated Laser Probe

55.70.23P.23G
55.70.25P.25G



Illuminated Directional™ Laser Probe

55.47P.20G
55.47.23P.23G
55.47.25P.25G



Illuminated Directional™ II Laser Probe

55.48.23P.23G
55.48.25P.25G



Laser Source to which
Synergetics® Laser Probes will Connect:
Index GL / GLx / TX
Index IQ S32 / IQ S77

Alcon Eyette
Alcon Purepoint
Alcon Constellation
Bausch + Lomb Millennium®
Bausch + Lomb Stellaris PC
Ellex Soltaire

*Direct Connect models available for
Quantel Vitra Quantel Supra and Luminis

*Adaptor is required with Stellaris ELITE™

Storz® Ophthalmic Instruments

- Fully disposable
- Ergonomic Handle with actuation from two sides
- Non reflective instrument shaft
- Color coded handles for gauge identification
- 20G, 23G, 25G, 27G



20G



23G



25G



27G



Endgripping Forceps

65023S-12 23G

65025S-12 25G

STERILE (X) = 12



NEW!

SUI13-12 27G



Asymmetric Peeling Forceps

SUI03-12 23G

SUI05-12 25G

STERILE (X) = 12



ILM Forceps

SUI09-12 20G

SUI07-12 23G

SUI08-12 25G

STERILE (X) = 12



Serrated Forceps

SUI10-12 20G

SUI11-12 23G

SUI12-12 25G

STERILE (X) = 12



NEW!

SUI14-12 27G



Selected sterile single use instruments are
available as component of a **Per Procedure Tray**.

The Per Procedure Tray is a complete kit of sterile single use instruments selected by you. Assemble your individual kit of sterile single use instruments with the new online Per Procedure Tray Configurator. For more information visit: www.storzeye.eu



Membrane Picks

SUK01 23G

STERILE (X) = 8



SUK02 25G

STERILE (X) = 8



Bipolar Erasers

E7928 Scleral Bipolar Eraser,
Lemosa Type Connector

STERILE (X) = 12



20G

E7929 20G Bipolar Eraser, Tapered,
Lemosa Type Connector

STERILE (X) = 12



23G

E7930 23G Bipolar Eraser, Tapered,
Lemosa Type Connector

STERILE (X) = 12



E7931 23G Bipolar Eraser, Tapered,
2-pin Connector

STERILE (X) = 12



25G

E7924 25G Bipolar Eraser, Tapered,
2-pin Connector

STERILE (X) = 12



E7925 25G Bipolar Eraser, Blunt,
2-pin Connector

STERILE (X) = 12



E7926 25G Bipolar Eraser, Tapered,
Lemosa Type Connector

STERILE (X) = 12



E7927 25G Bipolar Eraser, Blunt,
Lemosa Type Connector

STERILE (X) = 12



NEW!

27G

E7932 27G Bipolar Eraser, Tapered,
Lemosa Type Connector

STERILE (X) = 12



E7933 27G Bipolar Eraser, Tapered,
2-pin Connector

STERILE (X) = 12



CX9430 Reusable Bipolar Cord
with Lemosa Connector

= 1



CX9400 Reusable Bipolar Cord with
2-pin Connector

= 1



Aspiration Handpieces

 SUI03 23G Passive Aspiration Handpiece. 1.5mm soft tip cannula	 SUI02 25G Passive Aspiration Handpiece. 1.5mm soft tip cannula	 SUI06 23G Passive Aspiration Handpiece. Blunt needle	 SUI07 25G Passive Aspiration Handpiece. Blunt needle	 SUI08 20G Backflush/Extrusion Handpiece. Blunt tip. Grey color code ring	 SUI09 20G Backflush/Extrusion Handpiece. Soft tip brush. Grey color code ring	 SUI10 20G Backflush/Extrusion Handpiece. Soft tip. Grey color code ring.	 SUI11 23G Backflush/Extrusion Handpiece. Blunt tip. Green color code ring.	 SUI12 23G Backflush/Extrusion Handpiece. Soft tip brush. Green color code ring.	 SUI13 23G Backflush/Extrusion Handpiece. Soft tip. Green color code ring.
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 SUI14 25G Backflush/Extrusion Handpiece. Blunt tip. Blue color code ring.	 SUI17 27G Backflush/Extrusion Handpiece. Blunt tip. Magenta color code ring.	 LP7519 19G MVR Blade A:1.37mm	 LP7520 20G MVR Blade A:1.2mm
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MVR Knives

LaseredgePlus®



Synergetics® Pinnacle 360°™

Pinnacle 360° is our high quality line of fully disposable, hand-held retinal surgical instruments.

- Offers wide variety of disposable tip options
- Fully disposable
- 360° actuation to approach the retina from any angle
- Color coded handles for gauge identification
- 20G, 23G, 25G, 27G, Foreign Body



 Pinnacle 360° 20G	 Pinnacle 360° 23G	 Pinnacle 360° 25G	 Pinnacle 360° 27G	 Foreign Body
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ILM Forceps

Eckardt Forceps

3908PIN 20G
3908.23PIN 23G
3908.25PIN 25G
3908.27PIN 27G



= 5



End-Grasping Forceps

0912PIN 20G
0912.23PIN 23G
0912.25PIN 25G



= 5



Fine Tip Eckardt Forceps

0910.23PIN 23G
0910.25PIN 25G



= 5



Microserrated™ End-Grasping Forceps

3912.23PIN 23G
3912.25PIN 25G



= 5



Tano Asymmetrical Micro Forceps

3903.23PIN 23G
3903.25PIN 25G
3903.27PIN 27G



= 5



Heavy Membrane Forceps

Pyramid Tip Forceps

1104.23PIN 23G
1104.25PIN 25G



= 5



Serrated Jaw Forceps

1106.23PIN 23G
1106.25PIN 25G



= 5



Dual Purpose Forceps

Apte Corset Forceps

3907.23PIN 23G
3907.25PIN 25G



= 5



Microserrated™ Tewari Omnicep Forceps

3915.23PIN 23G
3915.25PIN 25G



= 5

NEW!

3915.27PIN 27G



Foreign Body

BB Removal Forceps

1140PIN 18G



= 5



Foreign Body Forceps

1120PIN 19G



= 5



Foreign Body Magnet

12.21PIN 18G



= 5



Pick Forceps

Pick Forceps

0905.23PIN 23G
0905.25PIN 25G



= 5



Scissors

Horizontal Scissors Curved

2376PIN 20G
2376.23PIN 23G
2376.25PIN 25G



= 5



Morris Vertical Scissors

1024PIN 20G
1024.23PIN 23G
1024.25PIN 25G



= 5



Myopic Forceps

Fine Tip Eckardt Forceps

0910.23PIN-M 23G
0910.25PIN-M 25G
• 37mm



= 5



Microserrated™ Tewari Omnicep Forceps

3915.23PIN-M 23G
3915.25PIN-M 25G
• 37mm



= 5



DDMS™ Diamond Dusted Membrane Scrapers

Tano

2004 20G
2004.23 23G
2004.25S (Stiff) 25G



NEW!

2004.27 27G



Retractable Tano

2016 20G
2016.23 23G
2016.25 25G



Disposable Infusion Cannulas

6mm Tip

30.32.23 23G
30.32.25 25G



- For severe vitreous hemorrhaging
- For use with Synergetics® steel cannula sets (sold separately)



Bipolar

Bipolar Cautery

53.00.23 23G
53.00.25 25G



NEW!

53.00.27 27G



Visco Dissector

Hubbard Visco Dissector

12.06.25 25G 28G Tip



- Injects viscoelastic for delaminating large membranes from the retina



NEW!

12.06.27 27G



- Injects viscoelastic for delaminating large membranes from the retina



Backflush

D3108.23

23G Silicon Tip active backflush



D3108.25

25G Silicon Tip active backflush



Subretinal Cannula

12.03.25

Subretinal cannula 25G tip 41G



Soft tip cannula

30.08.23

23G Soft tip cannula



30.08.25

25G Soft tip cannula



30.08.27

27G Soft tip cannula



CX5710 Viscous Fluid Extraction Kits



STERILE (X) = 6



NEW!

BL7620 High Flow VFI Cannula 20G



STERILE (X) = 6



BL7623 High Flow VFI Cannula 23G



STERILE (X) = 6



BL7625 High Flow VFI Cannula 25G



STERILE (X) = 6



CX5720 Viscous Fluid Injection Kits for Oxane range



STERILE (X) = 6



3090 Silicone Oil collector chamber




STERILE (X) = 6



NEW!

Adaptive Fluidics™ Pack

- BL5115-1**
Adaptive Fluidics™ Premium Pack
Pulse, Reflux, StableChamber®
2.0 MICS™ needle
2.4mm sleeves X2

 = 6



- BL5115-2**
Adaptive Fluidics™ Standard Pack
Pulse, Reflux, Standard tubing
2.0 MICS™ needle
2.4mm sleeves X2

 = 6



- BL5115-3**
Adaptive Fluidics™ MICS
Premium Packs
Pulse, Reflux, StableChamber®
2.0 MICS™ needle
MICS sleeves X2

 = 6




- BL5115-4**
Adaptive Fluidics™ Basic Pack
No Pulse, Reflux, Standard tubing
MICS™ sleeve



 = 6



Anterior Vitrectomy cutter*


- BL5612**
20G High Speed
(30-5000cpm) Anterior
Vitrectomy Cutter Pack*



 = 6


- 

NEW!

- BL5623S**
23G vitrectomy cutter*

 = 6


- 

- BL5625S**
25G vitrectomy cutter*

 = 6


- 

- BL3190**
Anterior Vitrectomy Adapter Kit
Content :
Infusion Camula
Male/female Adapter
Adapter tubing (required for Stellaris® PC)


 = 6





Phaco Tips for MICS™ Surgery


- RIS: Recommended Incision Size in Coaxial
OD: Outer Diameter
ID: Inner Diameter
- Single Use


BL3318S MICS™ needle 1,8


 = 6


- BL3318AS** MICS™ needle 1,8 angled 30°


 = 6



- BL3420** 2.0 MICS™ needle


 = 6



- RIS: 1,8-2,00mm OD: 0,74-0,95mm ID: 0,5-0,79mm
- Reusable limited re-use (10 cases)


BL3318 MICS™ needle 1,8


 = 6
- BL3318A** MICS™ needle 1,8 angled 30°

 = 6
- RIS: 1,8-2,00mm OD: 0,74-0,95mm ID: 0,5-0,79mm
- BL3118** Kit of 2 SU MICS™ Sleeves

 = 12


- BL3124S** 2.4mm sleeve

 = 24



*Only for Stellaris ELITE™ Anterior (2500 cpm)

Manipulators



Cannulas



Speculum



Forceps







Stellaris® System Coaxial I/A Handpieces



Stellaris® System CapsuleGuard® I/A Coaxial Handpieces











Stellaris® System Biaxial I/A Handpieces Aspiration

8590IS19 Aspiration Handpiece 19G (Ø 1.07mm)			= 12
8590IS20 Aspiration Handpiece 20G (Ø 0.89mm)			= 12
85780S Aspiration Handpiece 21G (Ø 0.8mm)			= 12
85790S Aspiration Handpiece 22G (Ø 0.7mm)			= 12
85792S Aspiration Handpiece 23G (Ø 0.6mm)			= 12





Stellaris® System Biaxial I/A Handpieces Irrigation

85902ST19 18mm B-MICS 19G (Ø 1.07mm) Irrigation Handpiece			= 12
85787ST 21G Irrigation Handpiece (Ø 0.8mm)			= 12
85806ST 22G Irrigation Handpiece (Ø 0.7mm)			= 12
85807ST 23G Irrigation Handpiece (Ø 0.6mm)			= 12





Stellaris® System Coaxial Zero Phaco Handpieces

SUP05T Stellaris® System Zero Phaco Handpiece 18mm			= 12
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For aspirating softened nuclei during femtosecond cataract surgery. Designed with an open port aspiration tube with 30° bevel. Recommended for use in a 1.8 mm incision. Designed for use with the Stellaris® System.



SUP06ST Stellaris® System Zero Phaco Handpiece 2.2mm			= 12
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For aspirating softened nuclei during femtosecond cataract surgery. Designed with an open port aspiration tube with 30° bevel. Recommended for use in a 2.2mm incision. Designed for use with the Stellaris® System.



SUP05 Zero Phaco Aspiration Handpiece 21G (0.8mm).			= 12
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Bimanual aspiration handpiece, designed with an open port aspiration tube for aspirating softened nuclei during Femtosecond cataract surgery. 30° tapered tip. For use with 85787ST - Irrigation Handpiece 21G.



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BL5612	High Speed Anterior Vitrectomy Cutter Pack 20G	24	SUE08-12	MICS™ Capsulorhexis with Curved Jaws	26
BL5623S	23G Vitrectomy Cutter / Stellaris ELITE™ Anterior only	24	SUF01	Koch Stop & Chop Manipulator	26
BL5625S	25G Vitrectomy Cutter / Stellaris ELITE™ Anterior only	24	SUF02	Sinskey Hook	26
BL5626	20G Vitrectomy Cutter	10	SUF03	Phaco Spatula	26
BL5720	Focal 20G	11	SUF04	Drysdale Nucleus Manipulator	26
BL5723	Focal 23G	11	SUF05	Horizontal Manipulator with Y-Hook	26
BL5725	Focal 25G	11	SUF06	Vertical Manipulator with Y-Hook	26
BL5820	Wide Angle 20G	11	SUH01	Barraquer Eye Speculum	26
BL5823	Wide Angle 23G	11	SUH04	Eye Speculum, Adjustable	26
BL5823M	Mid-Field 23G	11	SUI03-12	Asymmetric Peeling Forceps 23G	16
BL5823D	Diffuse Wide Angle 23G	11	SUI05-12	Asymmetric Peeling Forceps 25G	16
BL5825	Wide Angle 25G	11	SUI07-12	ILM Forceps 23G	16
BL5825M	Mid-Field 25G	11	SUI08-12	ILM Forceps 25G	16
BL5825D	Diffuse Wide Angle 25G	11	SUI09-12	ILM Forceps 20G	16
BL5827M	Mid-Field 27G	11	SUI10-12	Serrated Forceps 20G	16
BL7620	High Flow VFI Cannula 20G	23	SUI11-12	Serrated Forceps 23G	16
BL7623	High Flow VFI Cannula 23G	23	SUI12-12	Serrated Forceps 25G	16
BL7625	High Flow VFI Cannula 25G	23	SUI14-12	Serrated Forceps 27G	16
CX9400	Reusable Bipolar Cord with 2 Pin Connector	17	SUI20-12	MICS™ 10mm Capsulorhexis Forceps	26
CX9430	Reusable Bipolar Cord with Lemosa Connector	17	SUIJ02	Passive Aspiration Handpiece 1.5mm Soft Tip Cannula 25G	18
CX5710	Viscous Fluid Extraction Kits	23	SUIJ03	Passive Aspiration Handpiece 1.5mm Soft Tip Cannula 23G	18
CX5720	Viscous Fluid Injection Kits for Oxane Range	23	SUIJ06	Passive Aspiration Handpiece Blunt Needle 23G	18
D3108.23	23G Silicon Tip active backflush	22	SUIJ07	Passive Aspiration Handpiece Blunt Needle 25G	18
D3108.25	25G Silicon Tip active backflush	22	SUIJ08	Backflush/Extrusion Handpiece Blunt Tip 20G	18
E7519	Laseredge™ 19G MVR Blade	17	SUIJ09	Backflush/Extrusion Handpiece Soft Tip Brush 20G	18
E7520	Laseredge® 20G MVR Blade	17	SUIJ10	Backflush/Extrusion Handpiece Soft Tip 20G	18
E7523	Laseredge™ 23G MVR Blade	17	SUIJ11	Backflush/Extrusion Handpiece Blunt Tip 23G	18
E7525	Laseredge® 25G MVR Blade	17	SUIJ12	Backflush/Extrusion Handpiece Soft Tip brush 23G	18
E7924	Bipolar Eraser 25G, Tapered, 2-pin Connector	17	SUIJ13	Backflush/Extrusion Handpiece Soft Tip 23G	18
E7925	Bipolar Eraser 25G, Blunt, 2-pin Connector	17	SUIJ14	Backflush/Extrusion Handpiece Soft Tip 25G	18
E7926	Bipolar Eraser 25G, Tapered, Lemosa Type Connector	17	SUIJ17	Backflush/Extrusion Handpiece Blunt Tip 27G	17
E7927	Bipolar Eraser 25G, Blunt, Lemosa Type Connector	17	SUK01	Membrane Pick 23G	17
E7928	Scleral Bipolar Eraser	17	SUK02	Membrane Pick 25G	17
E7929	Bipolar Eraser 20G	17	SUP01ST	Stellaris® System Zero Phaco Handpiece 18mm	28
E7930	Bipolar Eraser 23G	17	SUP05	Zero Phaco Aspiration Handpiece 21G (0.8mm)	28
E7931	Bipolar Eraser 23G, 2-pin Connector	17	SUP06ST	Stellaris® System Zero Phaco Handpiece 2.2mm	28
E7932	Bipolar Eraser, Tapered, Lemosa type connector 27G	17			
E7933	Bipolar Eraser, Tapered, 2-pin Connector 27G	17			
SE5420M/SE5420W	20G Posterior Pack	7			
SE5423MV/SE5423WV	23G Posterior Pack	7			
SE5425MV/SE5425WV	25G Posterior Pack	7			
SE5425MVB/SE5425WVB	Bi-Blade™ 25G Posterior Pack	9			
SE5427MVB	Bi-Blade™ 27G Posterior Pack	9			
SE5520M/SE5520W	20G Combined Pack	6			
SE5523MV/SE5523WV	23G Combined Pack	6			
SE5525MV/SE5525WV	25G Combined Pack	6			
SE5525MVB/SE5525WVB	Bi-Blade™ 25G Combined Pack	8			
SE5527MVB	Bi-Blade™ 27G Combined Pack	8			
SE5623	23G Vitrectomy Cutter	10			
SE5625	25G Vitrectomy Cutter	10			
SE5625B	25G Vitrectomy cutter Bi-Blade™	9			
SE5627B	27G Vitrectomy cutter Bi-Blade™	9			
SUE01-12	Capsulorhexis Forceps	26			
SUE02-12	Bonn Forceps	26			
SUE03-12	Tying Forceps	26			
SUE04-12	McPherson Tying Forceps, Angled	26			
SUE05-12	Pierson Tying Forceps	26			
SUE06-12	MICS™ Capsulorhexis Forceps	26			



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EC Declaration of Conformity

According to Directive 93/42/EEC as amended by 2007/47/EC

Legal Manufacturer	Bausch & Lomb, Incorporated 1400 N. Goodman St. Rochester, NY 14609 USA
European Authorized Representative(s)*	Bausch & Lomb GmbH Brunsbütteler Damm 165-173 13581 Berlin, Germany
Notified Body	TUV Rheinland LGA Products GmbH Tillystraße 2 90431 Nürnberg Notified Body Number: 0197
EC Certificate Number	EC Cert: HD 60146676 0001
Product (s)	Stellaris Elite vision enhancement systems including Vitesse handpiece accessory (single use/sterile)
Product Code(s)	See Table on Page 2
GMDN Code	45072
Classification	IIb, Rule 11, according to Directive 93/42/EEC Annex IX

We hereby declare the conformity of the above mentioned products with the European Medical Device Directive 93/42/EEC as amended by 2007/47/EC Annex II, Section 3. Above product(s) is/are developed and manufactured in compliance with the MDD and the applicable European harmonized standards.

Place of Issue: Refer to Manufacturer's Address above

Signature: Ken Nehmer Date: Oct. 12, 2020

Name/Title/Position: Ken Nehmer, Director, Regulatory Affairs

* The previous EU Authorized Rep address may appear on product manufactured prior to 29-Mar-2019.
Bausch & Lomb, Incorporated
106 London Road
Kingston-upon-Thames
KT2 6TN UK

EC DECLARATION OF CONFORMITY

Legal Manufacturer	Bausch & Lomb, Incorporated 1400 N. Goodman St. Rochester, NY 14609 USA
Product (s)	Stellaris Elite vision enhancement systems including Vitesse handpiece accessory (single use/sterile)

Item Number (SKU)	Product Name
BL11145	Stellaris Elite (Anterior model)
BL14455	Stellaris Elite (Posterior/Combined model)
BL15455	Stellaris Elite (Posterior/Combined with Laser model)
BL5631TD	23G Vitesse handpiece 255TD + ESA
BL2394	Foot Control, Elite

Certificate

The Certification Body of
TÜV Rheinland LGA Products GmbH

hereby certifies that the organization
Bausch & Lomb GmbH
Im Schuhmachergewann 4
69123 Heidelberg
Deutschland

has established and applies a quality management system for medical devices
for the following scope:

**Design and development, manufacture, distribution and
servicing of instruments and products for ophthalmology**

Proof has been furnished that the requirements specified in

EN ISO 13485:2016

are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date: 2019-02-12
Certificate Registration No.: SX 60136091 0001
An audit was performed. Report No.: 21237378 013
This Certificate is valid until: 2022-02-11

Certification Body



Date 2019-02-09



Dipl.-Ing. (FH) D. Wiedemuth

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

Tel.: +49 221 806-1371 Fax: +49 221 806-3935 e-mail: cert-validity@de.tuv.com <http://www.tuv.com/safety>

EC Certificate
Directive 93/42/EEC Annex II, excluding Section 4
Full Quality Assurance System
Medical Devices

Registration No.: HD 60146676 0001

Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

Products: Intraocular Lenses and Ophthalmic Devices
(see attachment for products and additional sites included)

Expiry Date: 2024-05-26

The Notified Body hereby declares that the requirements of Annex II, excluding section 4 of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex II, section 5 of the aforementioned directive. For placing on the market of class III devices covered by this certificate an EC design-examination certificate according to Annex II, section 4 is required.

Effective Date: 2020-10-19

Date: 2020-10-02



Notified Body

Balazs Bozsik
Balazs Bozsik

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

**Attachment to
Certificate**

Registration No.: HD 60146676 0001
Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

Additional sites included:

Bausch + Lomb, Incorporated
1501 Graves Mill Road
Lynchburg, VA 24502 USA

Bausch + Lomb, Incorporated
3365 Tree Court Industrial Blvd.
St. Louis, MO 63122 USA

Bausch + Lomb, Incorporated
499 Sovereign Court
Manchester, MO 63011 USA

Bausch + Lomb, Incorporated
50 Technology Drive
Irvine, CA 92618 USA

Date: 2020-10-02



Notified Body

Balazs Bozsik

Balazs Bozsik

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

**Attachment to
Certificate**

Registration No.: HD 60146676 0001
Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

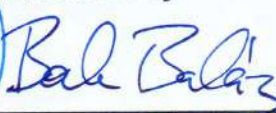
Additional sites included:

Bausch + Lomb, Incorporated
21 Park Place Blvd. N.
Clearwater, FL 33759 USA

Date: 2020-10-02



Notified Body



Balazs Bozsik

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Doc. 3/5, Rev. 0

**Attachment to
Certificate**

Registration No.: HD 60146676 0001
Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

Products included:

- Viscoelastics, HPMC (Hydroxypropylmethylcellulose)
- Viscoelastics, bacteria fermented
- IOL, Anterior Chamber PMMA Lenses
- IOL, Posterior Chamber PMMA Lenses
- IOL, Posterior Chamber Lenses, Foldable, Softport and Softflex, and Hydrophobic Acrylic
- IOL, Posterior Chamber Lenses, Foldable, enVista
- IOL, Posterior Chamber Lenses, Foldable, Hydrophobic Acrylic
- Silicone Oil
- Ophthalmic Microsurgical System, Stellaris
- Ophthalmic Microsurgical System, Stellaris PC
- Ophthalmic Microsurgical Handpieces, for Premiere
- Ophthalmic Microsurgical Handpieces, for Millineum
- Ophthalmic Microsurgical Handpieces, for Stellaris PC
- Ophthalmic Microsurgical Handpieces, for Stellaris

Date: 2020-10-02



Notified Body

Balazs Bozsik
Balazs Bozsik

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Doc. 4/5, Rev. 0

**Attachment to
Certificate**

Registration No.: HD 60146676 0001
Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

Products included:

- Ophthalmic Procedure Packs, with energy driven components for Protégé, Premiere, Millennium
- Ophthalmic Procedure Packs, with energy driven components for Stellaris
- Ophthalmic Procedure Packs, with energy driven components for Stellaris PC
- Non-active Ophthalmic Procedure Packs, for Protégé, Premiere, Millennium
- Non-active Ophthalmic Procedure Packs, for Stellaris
- Non-active Ophthalmic Procedure Packs, for Stellaris PC
- Non-active Ophthalmologic Product, Balanced Salt Solution
- Non-active Ophthalmologic Product, sterile Cannula and Cystotomes
- Non-active Ophthalmologic Product, Laseredge knife
- Non-active Ophthalmologic Product, non-sterile Cystotomes
- Non-active Ophthalmologic Product, Infusion/
- Ophthalmic Microsurgical Handpieces, for Stellaris PC
- Non-sterile Cannula

Date: 2020-10-02



Notified Body

Balazs Bozsik
Balazs Bozsik

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Doc. 5/5, Rev. 0

**Attachment to
Certificate**

Registration No.: HD 60146676 0001

Report No.: 31892411 015

Manufacturer: Bausch + Lomb, Incorporated
1400 North Goodman St.
Rochester NY 14609
USA

Products included:

- Non-active Ophthalmologic Product,
Lens Insertion Device, disposable - use with Silicone IOLs
- Non-active Ophthalmologic Product,
Lens Insertion Device, disposable - use with Acrylic IOLs
- Non-active Ophthalmologic Product
Lens Insertion Device, cartridge with disposable handpiece
- Non-active Ophthalmologic Product,
Lens Insertion Device, cartridge with reusable handpiece
- Non-active Ophthalmologic Product,
- Non-active Ophthalmologic Product, Phaco Needle
- Active Ophthalmic Device, Irrigation/Aspiration handpiece
- Active Ophthalmic Device, Bipolar Forceps

For the following devices the scope covers only the aspect
of manufacture concerned with conformity of the products
with the metrological requirements:

- Markers, Rulers and Gauges

Date: 2020-10-02



Notified Body

Balazs Bozsik

Balazs Bozsik