

ORDIN DE PLATA NR.: 130

TIP.DOC. 1

DATA EMITERII:19 octombrie 2022

PLATITI: 76600-00
e lei 00 bani

LEI: Saptezeci si Sase Mii Sase Sut

PLATITOR: (R) S.C. "OXIVI
T-MED" S.R.L.

CONTUL DE PLATI/CODUL IBAN
MD44ML000000002251729503
CODUL FISCAL :1007600044280 /

PRESTATORUL PLATITOR

CODUL BANCII:

BC"Moldindconbank"S.A. suc."Invest" Chisinau

:MOLDMD2X329:

BENEFICIAR (R) Centrul pen
tru Achizi?ii Publice Central
izate in Sanatate

CONTUL DE PLATI/CODUL IBAN
MD23TRPCCC518430B01859AA
CODUL FISCAL :1016601000212 /

PRESTATORUL BENEFICIAR

CODUL BANCII:

Ministerul Finantelor - Trezoreria de Stat

:TREZMD2X

DESTINATIA PLATII:/P102/76600,00 Pentru :
garantia pentru oferta la procedura de a:
chizi?ie publica nr. ocds-b3wdp1-MD-166:
3165406179 din 21.10.2022

TIPUL TRANSFERULUI
NORMAL/URGENT :N:

L.S.

CODUL TRANZACTIEI:101:

DATA PRIMIRII:19/10/2022

DATA EXECUTARII:

SEMNAURILE
EMITENTULUI

CONDUCATOR:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAaCCBIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIB3DQEBcUAMCIXIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQIExFSZSXB1YmXpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxZzAV

(semnatura electronica)

CONTABIL-SEF:Web Kojevnikov Dmitrii

MIIGfAYJKoZIhvcNAQcCoIIGbTCCBmkCAQExCzAJBgUrDgMCGGUAMAsGCSqGSIB3:
DQEHAaCCBIUwggSBMIIDaaADAgECAhNHAACEjCA/4xcrKCbfAAAAAISMMA0GCSqG:
SIB3DQEBcUAMCIXIDAeBgNVBAMTF0NFULQxLUNBLU1vbGRpbmRjb25iYW5rMB4X:
DTIwMDMxNjA4NDUwM1oXDTIzMDMxNjA4NTUwM1owgbgxCzAJBgNVBAYTAk1EMRow:
YDVQIExFSZSXB1YmXpY2EgTW9sZG92YTERMA8GA1UEBxMIQ2hpc2luYXUxZzAV

L.S.

(semnatura electronica)

CONDUCATOR:

(semnatura manuala)

CONTABIL-SEF:

(semnatura manuala)

SEMNAURA PRESTATORUL

L.S.

MOTIVUL REFUZULUI

L.S.

CERTIFICAT
privind lipsa sau existența restanțelor față de bugetul public național

Nr.
№ A2219780

din
от 12.10.2022

1. Destinația / Назначение

AGENȚIA ACHIZIȚII PUBLICE

2. Date despre contribuabil / Информация о налогоплательщике

Denumirea Наименование	Codul fiscal / Numărul de identificare Фискальный код / Идентификационный номер
S.C. OXIVIT-MED S.R.L.	1007600044280
Adresa sediului de bază (strada, numărul) Адрес основного месторасположения (улица, номер)	Codul - Denumirea localității Код - Наименование населенного пункта
Decebal bd. nr.82 of.90	0110-SEC.BOTANICA

3. Atestarea lipsei sau existenței restanțelor conform datelor Sistemului Informațional Automatizat /

Подтверждение отсутствия или наличия недоимки согласно данных Информационной автоматизированной системы

La data emiterii prezentului certificat restanța față de bugetul public național constituie/ На дату выдачи данной справки недоимка перед национальным публичным бюджетом составляет:
0,00 lei/лей.

4. Valabil pînă la / Действителен до 27.10.2022

5. Autentificarea Serviciului Fiscal de Stat / Подтверждение Государственной налоговой службы

/ ȘEF interimar al DDF Botanica
L.Ș/ M.L.
Executori: Galina Gînga




Semnătura/Подпись

Mariana VOLOH
Numele și prenumele/Фамилия и имя

Este extras din Sistemul Informațional al SFS SIA „Contul curent al contribuabilului”// 12.10.2022 ora 14:15:20
cu aplicarea prevederilor pct. 82-83 Ordin IFPS nr.400 din 14.03.2014 (Monitorul Oficial 72-77/399, 28.03.2014)

NOTA (0,00)



REPUBLICA



MOLDOVA

CERTIFICAT DE ÎNREGISTRARE

Societatea Comercială "OXIVIT-MED" S.R.L.
ESTE ÎNREGISTRATĂ LA CAMERA ÎNREGISTRĂRII DE STAT

Numărul de identificare de stat - codul fiscal
1007600044280

Data înregistrării

30.07.2007

Data eliberării

30.07.2007

Bordeianu Tatiana, registrator de stat

*Funcția, numele, prenumele persoanei
care a eliberat certificatul*

semnătura

MD 0067985





I.P. "AGENȚIA SERVICII PUBLICE"

Departamentul înregistrare și licențiere a unităților de drept

EXTRAS
din Registrul de stat al persoanelor juridice

nr. 8871 din 05.05.2021

Denumirea completă: **Societatea Comercială «OXIVIT-MED» S.R.L.**

Denumirea prescurtată: **S.C. «OXIVIT-MED» S.R.L.**

Forma juridică de organizare: **Societate cu Răspundere Limitată.**

Numărul de identificare de stat și codul fiscal: **1007600044280.**

Data înregistrării de stat: **30.07.2007.**

Sediul: **MD-2032, bd. Decebal, 82, ap.(of.) 90, mun. Chișinău, Republica Moldova.**

Modul de constituire: **nou creată.**

Obiectul principal de activitate:

- 1 Importul, fabricarea, comercializarea, asistența tehnică și (sau) reparația dispozitivelor medicale și (sau) a opticii;**
- 2 Comerțul cu ridicata al parfumurilor și produselor cosmetice;**
- 3 Comerțul cu amănuntul al produselor cosmetice și de parfumerie, articolelor de toaletă;**
- 4 Intermedieri pentru vânzarea unui asortiment larg de mărfuri;**
- 5 Alte tipuri de comerț cu amănuntul în magazine nespecializate;**
- 6 Alte tipuri de comerț cu ridicata;**
- 7 Închirierea altor mașini și echipamente.**

Capitalul social: **5400 lei.**

Administrator: KOJEVNIKOV DMITRII, IDNP 0972305012362,

Asociați:

1. KOJEVNIKOV DMITRII , IDNP 0972305012362

cota 5400.00 lei, ce constituie 100 %.

Prezentul extras este eliberat în temeiul art. 34 al Legii nr. 220-XVI din 19 octombrie 2007 privind înregistrarea de stat a persoanelor juridice și a întreprinzătorilor individuali și confirmă datele din Registrul de stat la data de: 05.05.2021.

Specialist coordonator
tel. 022-207-840

Lazari Aliona



EEI 0358094

OXIVIT MED

c/f: 1007600044280; adresa: str. Decebal 82-90, or. Chișinău, Republica Moldova
telefon: + 373 22 808002; fax: + 373 22 808003
web: www.oxivit-med.com; e-mail: info@oxivit-med.com

Lista fondatorilor companiei SRL „Oxivit-Med”

Nr.	Numele, Prenumele	Codul Personal
1	Kojevnikov Dmitrii	0972305012362

SITUAȚIILE FINANCIARE

pentru perioada 01.01.2021 - 31.12.2021

Entitatea: S.C. OXIVIT-MED S.R.L.

Cod CUIO: 40424951

Cod IDNO: 1007600044280

Sediul:

MD:

Raionul(municipiul): 103, DDF BOTANICA

Cod CUATM: 0110, SEC.BOTANICA

Strada: Decebal bd. nr.82 of.90

Activitatea principală: G4774, Comerț cu amănuntul al articolelor medicale și ortopedice, în magazine specializate

Forma de proprietate: 15, Proprietatea privată

Forma organizatorico-juridică: 530, Societăți cu răspundere limitată

Date de contact:

Telefon: +37322808002

WEB:

E-mail: oxivit.medical@gmail.com

Numele și coordonatele al contabilului-șef: DI (dna) Kojevnikov Dmitrii Tel. 069200308

Numărul mediu al salariaților în perioada de gestiune: 5 persoane.

Persoanele responsabile de semnarea situațiilor financiare* Kojevnikov Dmitrii

Unitatea de măsură: leu

BILANȚUL

la 31.12.2021

Anexa 1

Nr. cpt.	Indicatori	Cod rd.	Sold la	
			Începutul perioadei de gestiune	Sfârșitul perioadei de gestiune
1	2	3	4	5
	A C T I V			
	ACTIVE IMOBILIZATE			
	I. Imobilizări necorporale			
	1. Imobilizări necorporale în curs de execuție	010		
	2. Imobilizări necorporale în exploatare, total	020	1137	487
	din care:			
	2.1. concesiuni, licențe și mărci	021	1137	487
	2.2. drepturi de autor și titluri de protecție	022		
	2.3. programe informatice	023		
	2.4. alte imobilizări necorporale	024		
	3. Fond comercial	030		
	4. Avansuri acordate pentru imobilizări necorporale	040		
	Total imobilizări necorporale (rd.010 + rd.020 + rd.030 + rd.040)	050	1137	487
	II. Imobilizări corporale			
	1. Imobilizări corporale în curs de execuție	060		
	2. Terenuri	070		
	3. Mijloace fixe, total	080	9980	45953
	din care:			
	3.1. clădiri	081		
	3.2. construcții speciale	082		
	3.3. mașini, utilaje și instalații tehnice	083	9235	45953
	3.4. mijloace de transport	084		

A.	3.5. inventar și mobilier	085		
	3.6. alte mijloace fixe	086	745	
	4. Resurse minerale	090		
	5. Active biologice imobilizate	100		
	6. Investiții imobiliare	110		
	7. Avansuri acordate pentru imobilizări corporale	120		
	Total imobilizări corporale (rd.060 + rd.070 + rd.080 + rd.090 + rd.100 + rd.110 + rd.120)	130	9980	45953
	III. Investiții financiare pe termen lung			
	1. Investiții financiare pe termen lung în părți neafiliate	140		
	2. Investiții financiare pe termen lung în părți afiliate, total	150		
	din care:			
	2.1. acțiuni și cote de participație deținute în părțile afiliate	151		
	2.2 împrumuturi acordate părților afiliate	152		
	2.3 împrumuturi acordate aferente intereselor de participare	153		
	2.4 alte investiții financiare	154		
	Total investiții financiare pe termen lung (rd.140 + rd.150)	160		
	IV. Creanțe pe termen lung și alte active imobilizate			
	1. Creanțe comerciale pe termen lung	170		
	2. Creanțe ale părților afiliate pe termen lung	180		
	inclusiv: creanțe aferente intereselor de participare	181		
	3. Alte creanțe pe termen lung	190		
	4. Cheltuieli anticipate pe termen lung	200		
	5. Alte active imobilizate	210		
	Total creanțe pe termen lung și alte active imobilizate (rd.170 + rd.180 + rd.190 + rd.200 + rd.210)	220		
	TOTAL ACTIVE IMOBILIZATE (rd.050 + rd.130 + rd.160 + rd.220)	230	11117	46440
B.	ACTIVE CIRCULANTE			
	I. Stocuri			
	1. Materiale și obiecte de mică valoare și scurtă durată	240	617	752
	2. Active biologice circulante	250		
	3. Producția în curs de execuție	260		
	4. Produse și mărfuri	270	6895348	8612039
	5. Avansuri acordate pentru stocuri	280		
	Total stocuri (rd.240 + rd.250 + rd.260 + rd.270 + rd.280)	290	6895965	8612791
	II. Creanțe curente și alte active circulante			
	1. Creanțe comerciale curente	300	17423930	9151659
	2. Creanțe ale părților afiliate curente	310		
	inclusiv: creanțe aferente intereselor de participare	311		
	3. Creanțe ale bugetului	320	1593996	685035
	4. Creanțele ale personalului	330	1452	
	5. Alte creanțe curente	340		
	6. Cheltuieli anticipate curente	350	6076	4940
	7. Alte active circulante	360	3786977	5022901
	Total creanțe curente și alte active circulante (rd.300 + rd.310 + rd.320 + rd.330 + rd.340 + rd.350 + rd.360)	370	22812431	14864535
	III. Investiții financiare curente			
	1. Investiții financiare curente în părți neafiliate	380		
	2. Investiții financiare curente în părți afiliate, total	390		
	din care:			
	2.1. acțiuni și cote de participație deținute în părțile afiliate	391		
	2.2. împrumuturi acordate părților afiliate	392		
	2.3. împrumuturi acordate aferente intereselor de participare	393		

	2.4. alte investiții financiare în părți afiliate	394		
	Total investiții financiare curente (rd.380 + rd.390)	400		
	IV. Numerar și documente bănești	410	11586107	10982450
	TOTAL ACTIVE CIRCULANTE (rd.290 + rd.370 + rd.400 + rd.410)	420	41294503	34459776
	TOTAL ACTIVE (rd.230 + rd.420)	430	41305620	34506216
	P A S I V			
C.	CAPITAL PROPRIU			
	I. Capital social și neînregistrat			
	1. Capital social	440	5400	5400
	2. Capital nevărsat	450	()	()
	3. Capital neînregistrat	460		
	4. Capital retras	470	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	480		
	Total capital social și neînregistrat (rd.440 + rd.450 + rd.460 + rd.470 + rd.480)	490	5400	5400
	II. Prime de capital	500		
	III. Rezerve			
	1. Capital de rezervă	510		
	2. Rezerve statutare	520		
	3. Alte rezerve	530		
	Total rezerve (rd.510 + rd.520 + rd.530)	540		
	IV. Profit (pierdere)			
	1. Corecții ale rezultatelor anilor precedenți	550	X	-178779
	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	560	24939574	17439574
	3. Profit net (pierdere netă) al perioadei de gestiune	570	X	11125729
	4. Profit utilizat al perioadei de gestiune	580	X	()
	Total profit (pierdere) (rd.550 + rd.560 + rd.570 + rd.580)	590	24939574	28386524
	V. Rezerve din reevaluare	600		
	VI. Alte elemente de capital propriu	610		
	TOTAL CAPITAL PROPRIU (rd.490 + rd.500 + rd.540 + rd.590 + rd.600 + rd.610)	620	24944974	28391924
D.	DATORII PE TERMEN LUNG			
	1. Credite bancare pe termen lung	630		
	2. Împrumuturi pe termen lung	640	76630	
	din care:	641		
	2.1. împrumuturi din emisiunea de obligațiuni			
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	642		
	2.2. alte împrumuturi pe termen lung	643	76630	
	3. Datorii comerciale pe termen lung	650		
	4. Datorii față de părțile afiliate pe termen lung	660		
	inclusiv: datorii aferente intereselor de participare	661		
	5. Avansuri primite pe termen lung	670		
	6. Venituri anticipate pe termen lung	680		
	7. Alte datorii pe termen lung	690		
	TOTAL DATORII PE TERMEN LUNG (rd.630 + rd.640 + rd.650 + rd.660 + rd.670 + rd.680 + rd.690)	700	76630	
	DATORII CURENTE			
	1. Credite bancare pe termen scurt	710		
	2. Împrumuturi pe termen scurt, total	720		

E.	din care:	721		
	2.1. împrumuturi din emisiunea de obligațiuni			
	inclusiv: împrumuturi din emisiunea de obligațiuni convertibile	722		
	2.2. alte împrumuturi pe termen scurt	723		
	3. Datorii comerciale curente	730	15784405	4868225
	4. Datorii față de părțile afiliate curente	740		
	inclusiv: datorii aferente intereselor de participare	741		
	5. Avansuri primite curente	750	349631	938523
	6. Datorii față de personal	760	116957	107832
	7. Datorii privind asigurările sociale și medicale	770		
	8. Datorii față de buget	780		199712
	9. Datorii față de proprietari	790		
	10. Venituri anticipate curente	800		
	11. Alte datorii curente	810	33023	
	TOTAL DATORII CURENTE (rd.710 + rd.720 + rd.730 + rd.740 + rd.750 + rd.760 + rd.770 + rd.780 + rd.790 + rd.800 + rd.810)	820	16284016	6114292
F.	PROVIZIOANE			
	1. Provizioane pentru beneficiile angajaților	830		
	2. Provizioane pentru garanții acordate cumpărătorilor/clientilor	840		
	3. Provizioane pentru impozite	850		
	4. Alte provizioane	860		
	TOTAL PROVIZIOANE (rd.830 + rd.840 + rd.850 + rd.860)	870		
	TOTAL PASIVE (rd.620 + rd.700 + rd.820 + rd.870)	880	41305620	34506216

SITUAȚIA DE PROFIT ȘI PIERDERE
de la 01.01.2021 până la 31.12.2021

Anexa 2

Indicatori	Cod rd.	Perioada de gestiune	
		precedenta	curenta
1	2	3	4
Venituri din vânzări, total	010	61054881	63146813
din care:			
venituri din vânzarea produselor și mărfurilor	011	61054881	63146813
venituri din prestarea serviciilor și executarea lucrărilor	012		
venituri din contracte de construcție	013		
venituri din contracte de leasing	014		
venituri din contracte de microfinanțare	015		
alte venituri din vânzări	016		
Costul vânzărilor, total	020	50207602	48882405
din care:			
valoarea contabilă a produselor și mărfurilor vândute	021	50207602	48882405
costul serviciilor prestate și lucrărilor executate terților	022		
costuri aferente contractelor de construcție	023		
costuri aferente contractelor de leasing	024		
costuri aferente contractelor de microfinanțare	025		
alte costuri aferente vânzărilor	026		
Profit brut (pierdere brută) (rd.010 - rd.020)	030	10847279	14264408
Alte venituri din activitatea operațională	040	1967064	9915
Cheltuieli de distribuie	050	68333	60149
Cheltuieli administrative	060	995848	968411
Alte cheltuieli din activitatea operațională	070	34858	239797
Rezultatul din activitatea operațională: profit (pierdere) (rd.030 + rd.040 - rd.050 - rd.060 - rd.070)	080	11715304	13005966

Venituri financiare, total	090	1752762	1026285
din care:	091		
venituri din interese de participare			
inclusiv: veniturile obținute de la părțile afiliate	092		
venituri din dobânzi	093		1440
inclusiv: veniturile obținute de la părțile afiliate	094		
venituri din alte investiții financiare pe termen lung	095		
inclusiv: veniturile obținute de la părțile afiliate	096		
venituri aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	097		
venituri din ieșirea investițiilor financiare	098		
venituri aferente diferențelor de curs valutar și de sumă	099	1752762	1024845
Cheltuieli financiare, total	100	1580853	1210147
din care:	101		
cheltuieli privind dobânzile			
inclusiv: cheltuielile aferente părților afiliate	102		
cheltuieli aferente ajustărilor de valoare privind investițiile financiare pe termen lung și curente	103		
cheltuieli aferente ieșirii investițiilor financiare	104		
cheltuieli aferente diferențelor de curs valutar și de sumă	105	1580853	1210147
Rezultatul: profit (pierdere) financiar(ă) (rd.090 - rd.100)	110	171909	-183862
Venituri cu active imobilizate și excepționale	120		
Cheltuieli cu active imobilizate și excepționale	130		174839
Rezultatul din operațiuni cu active imobilizate și excepționale: profit (pierdere) (rd.120 - rd.130)	140		-174839
Rezultatul din alte activități: profit (pierdere) (rd.110 + rd.140)	150	171909	-358701
Profit (pierdere) pînă la impozitare (rd.080 + rd.150)	160	11887213	12647265
Cheltuieli privind impozitul pe venit	170	1431875	1521536
Profit net (pierdere netă) al perioadei de gestiune (rd.160 - rd.170)	180	10455338	11125729

SITUAȚIA MODIFICĂRILOR CAPITALULUI PROPRIU

de la pînă la

Anexa 3

Nr. d/o	Indicatori	Cod rd	Sold la începutul perioadei de gestiune	Majorări	Diminuări	Sold la sfîrșitul perioadei de gestiune
1	2	3	4	5	6	7
I.	Capital social și neînregistrat					
	1. Capital social	010				
	2. Capital nevărsat	020	()	()	()	()
	3. Capital neînregistrat	030				
	4. Capital retras	040	()	()	()	()
	5. Patrimoniul primit de la stat cu drept de proprietate	050				
	Total capital social și neînregistrat (rd.010 + rd.020 + rd.030 + rd.040 + rd.050)	060				
II.	Prime de capital	070				
III.	Rezerve					
	1. Capital de rezervă	080				
	2. Rezerve statutare	090				
	3. Alte rezerve	100				
	Total rezerve (rd.080 + rd.090 + rd.100)	110				
	Profit (pierdere)					
	1. Corecții ale rezultatelor anilor precedenți	120	X			

IV.	2. Profit nerepartizat (pierdere neacoperită) al anilor precedenți	130				
	3. Profit net (pierdere netă) al perioadei de gestiune	140	X			
	4. Profit utilizat al perioadei de gestiune	150	X	()	()	()
	Total profit (pierdere) (rd.120 + rd.130 + rd.140 + rd.150)	160				
V.	Rezerve din reevaluare	170				
VI.	Alte elemente de capital propriu	180				
	Total capital propriu (rd.060 + rd.070 + rd.110 + rd.160 + rd.170 + rd.180)	190				

SITUAȚIA FLUXURILOR DE NUMERAR

de la pînă la

Anexa 4

Indicatori	Cod rd	Perioada de gestiune	
		precedentă	curentă
1	2	3	4
Fluxuri de numerar din activitatea operațională			
Încasări din vânzări	010		
Plăți pentru stocuri și servicii procurate	020		
Plăți către angajați și organe de asigurare socială și medicală	030		
Dobînzii plătite	040		
Plata impozitului pe venit	050		
Alte încasări	060		
Alte plăți	070		
Fluxul net de numerar din activitatea operațională (rd.010 - rd.020 - rd.030 - rd.040 - rd.050 + rd.060 - rd.070)	080		
Fluxuri de numerar din activitatea de investiții			
Încasări din vânzarea activelor imobilizate	090		
Plăți aferente intrărilor de active imobilizate	100		
Dobînzii încasate	110		
Dividende încasate	120		
inclusiv: dividende încasate din străinătate	121		
Alte încasări (plăți)	130		
Fluxul net de numerar din activitatea de investiții (rd.090 - rd.100 + rd.110 + rd.120 ± rd.130)	140		
Fluxuri de numerar din activitatea financiară			
Încasări sub formă de credite și împrumuturi	150		
Plăți aferente rambursării creditelor și împrumuturilor	160		
Dividende plătite	170		
inclusiv: dividende plătite nerezidenților	171		
Încasări din operațiuni de capital	180		
Alte încasări (plăți)	190		
Fluxul net de numerar din activitatea financiară (rd.150 - rd.160 - rd.170 + rd.180 ± rd.190)	200		
Fluxul net de numerar total (± rd.080 ± rd.140 ± rd.200)	210		
Diferențe de curs valutar favorabile (nefavorabile)	220		
Sold de numerar la începutul perioadei de gestiune	230		
Sold de numerar la sfîrșitul perioadei de gestiune (± rd.210 ± rd.220 + rd.230)	240		

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[Salvare](#)

Recipisa

Respondent

Codul fiscal: 1007600044280, denumire: S.C. OXIVIT-MED S.R.L.

A prezentat raportul: RSF1_21

Pentru perioada fiscală: A/2021

Data prezentării: 30.05.2022

Marca temporală a raportului înregistrat în Sistemul de Raportare Electronică și expediat pentru procesare în Sistemul Informațional al BNS : 30.05.2022 16:42:42

[Versiune de imprimare](#)[Salvare](#)

Recipisa 2

Respondent

Codul fiscal: 1007600044280, denumire: S.C. OXIVIT-MED S.R.L.

A prezentat raportul: RSF1_21

Pentru perioada fiscala: A/2021

Data prezentarii: 30.05.2022

Marca temporală a raportului înregistrat în Sistemul Informațional al BNS : 30.05.2022 22:47:31

Biroul Național de Statistică (BNS) a recepționat varianta electronică a raportului, expediat de DVs. Urmează verificarea și validarea raportului de către specialistul BNS pe domeniu.

DESIGNED BY
PERFUSIONISTS.
ENGINEERED BY
MEDTRONIC.



Affinity Fusion™
Oxygenation System

Medtronic
Further. Together

THE PRODUCT OF TRUE COLLABORATION

The Affinity Fusion oxygenation system

- Built on input from more than **500 perfusionists worldwide**
- Represents a unique fusion of clinical insight and engineering expertise
- **Features 79 new design enhancements**

Designed by perfusionists.
Engineered by Medtronic.

DESIGN, SIMPLY ADVANCED.

Proactive Air Management

An entire oxygenation system designed to handle air upfront.

- Unique curved venous inlet reduces blood turbulence and GME generation
- A pre-membrane bubble trap is designed to purge air before it enters the fiber membrane
- An oxygenator with integrated arterial filter removes particulates and air

Uniform Flow Distribution

Designed to reduce blood trauma, lower rates of hemolysis and minimize exposure to foreign surfaces.

- Curved venous inlet for smooth, fluid pathways and low resistance to flow
- Venous inlet tube's flared design reduces blood velocity and resistance to flow
- Cardiotomy cone shape design allows for gentle blood flow
- Oxygenator's radial flow design results in short blood flow paths that avoid areas of stasis

Perfusion-practical Ergonomics

Improved flexibility, ease of use and set-up, and enhanced customization capabilities.

- Orbit holder system with 360 degrees of flexibility
- Ambidextrous design
- Convenient port locations and spacing
- Independent adjustment of the reservoir and oxygenator

Progressive Fiber Filtration

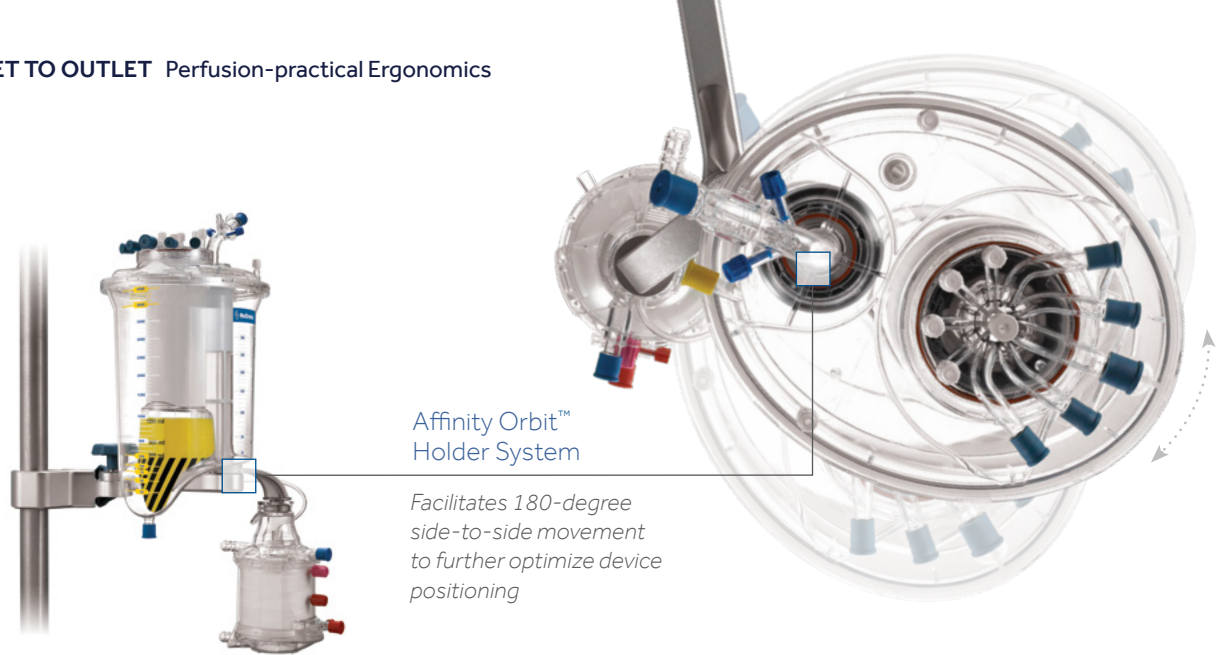
Gas exchange and particulate filtration occur simultaneously, enabled by Medtronic's proprietary Graduated Fiber Bundle Density Technology.

- A fully integrated oxygenator and arterial filter
- A compact, low-prime design
- Radial flow for short, uniform blood paths, minimizing blood's contact with foreign surfaces
- Low pressure drop



Finely tuned, carefully considered parameters, from inlet to outlet.

Designed to achieve the optimal blend of performance providing expanded heat exchange and oxygenation capability, while maintaining low prime and low pressure drop.



Easy access, low-profile venous temperature port



Volume-displacing luer caps to prevent areas of stasis

MORE ROOM TO SHORTEN LINES.

The Fusion system delivers Perfusion-practical Ergonomics, providing improved flexibility, ease of use and set-up, and enhanced customization capabilities.

- The unique Affinity Orbit holder system allows 360-degree positioning and placement flexibility
- Ambidextrous design
- Independent adjustment of the oxygenator and reservoir
- Convenient port locations and spacing
- Non-vented caps for ease of set-up for VAVD procedures (except inlet, outlet and vent/vacuum port)
- Totally clear design for unobstructed visibility of blood, gas and water phases
- Quick and easy set-up and tear down



THOUGHTFUL DESIGN, FROM INLET TO OUTLET.

The Affinity Fusion oxygenation system takes a fundamentally different design approach.

- Proactive air handling
- Uniquely designed for hemocompatibility
- Improved flexibility and ease of use
- Oxygenator with integrated arterial filter
- Expanded heat exchanger and gas transfer capabilities

Both oxygenator and reservoir devices have:

- Blood-contacting materials made from BPA*- and DEHP-free polymers
- 1 to 7 L/min flow rate
- Low system priming volume
- Biocompatible surface coatings

Cardiotomy/Venous Reservoir available in:

- Balance Biosurface¹

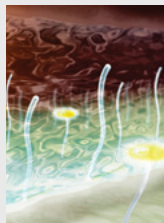
Oxygenator available in two biocompatible surface options:

- Balance Biosurface
- Cortiva BioActive Surface

Balance™ Biosurface

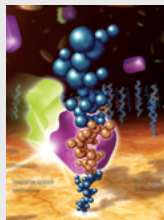
A hydrophilic biosurface option without heparin

- Reduces platelet activation
- Lowers platelet adhesion
- Preserves platelet function²



Cortiva™ BioActive Surface

- Durable, Non-leaching End Point Attached Heparin
- Provides thromboresistance and enhanced blood compatibility



The Affinity Fusion oxygenation system is indicated for use in an extracorporeal circulation circuit during cardiopulmonary bypass procedures up to 6 hours in duration.

Warning: A strict anticoagulation protocol should be followed and anticoagulation should be routinely monitored during all procedures. The benefits of extracorporeal support must be weighed against the risk of systematic anticoagulation and must be assessed by the prescribing physician.

For a complete listing of indications, contraindications, precautions and warnings, please refer to the Instructions for Use which accompany each product.

* Sampling manifold is not BPA-free.

THE AFFINITY FUSION™ CARDIOTOMY/VENOUS RESERVOIR

- Curved venous inlet, flared walls of the venous inlet down tube and gradual slope of the reservoir contribute to Uniform Flow Distribution
- Separate venous and cardiotomy filter chambers
- Low minimum operating level
- Low dynamic and static hold-up
- Low resistance to flow
- Proactive removal of GME and gross air
- Vacuum Assisted Venous Drainage (VAVD) ready with built-in pressure relief valve and non-vented cardiotomy port covers
- Removable sampling manifold
- Indicated for use for chest drainage collection



Curved Venous Inlet

- Creates smooth, fluid blood pathways
- For reduced blood turbulence that could create gaseous micro emboli from gross air
- Reduction in GME generation allows for larger venous screen pore size, lowering dynamic hold-up behind the screen
- For reduced resistance to flow

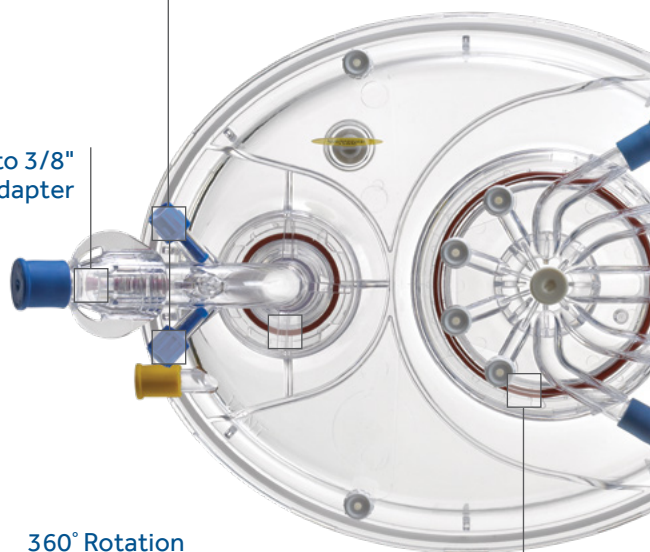
Vacuum Port

VAVD ready

Angled Venous Luer Ports

- Facilitate gentle merging of peripheral blood flow
- For reduced blood turbulence that could create gaseous micro emboli from gross air

1/2" to 3/8" Adapter



360° Rotation

For flexibility in circuit set-up

DESIGNED FOR CAREFUL BLOOD HANDLING AND AIR MANAGEMENT.



Caution: Federal law (USA) restricts these devices to sale by or on the order of a physician. For a complete listing of indications, contraindications, precautions and warnings, please refer to the Instructions for Use.

THE AFFINITY FUSION OXYGENATOR

- 260 mL prime volume
- Enhanced gas transfer and heat exchange performance
- Indicated for use as both an oxygenator and arterial filter
- 25µm filtration
- Efficiently handles air and particulates

Blood Inlet

Recirculation Port

With volume-displacing cap

Cardioplegia Port

With volume-displacing cap

Temperature Port

Dual Outlet Port

- Oxygenated blood exits the device through a unique dual outlet, minimizing areas of stasis, shear or hemolysis
- Provides good temperature and sampling accuracy

Sampling Port

With volume-displacing cap



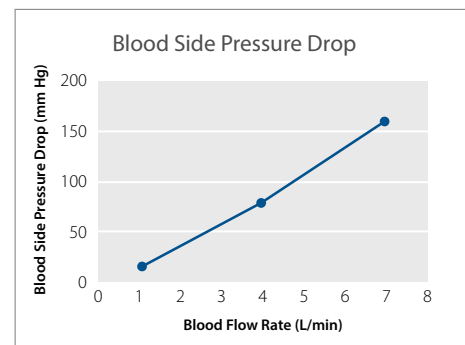
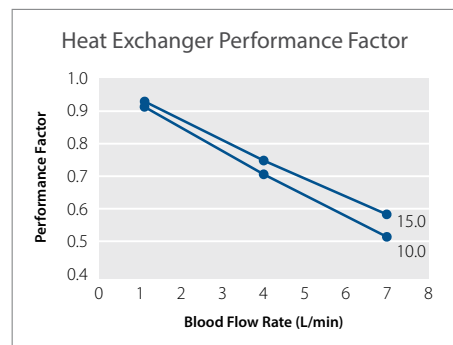
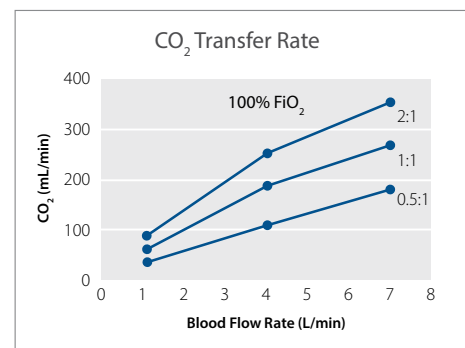
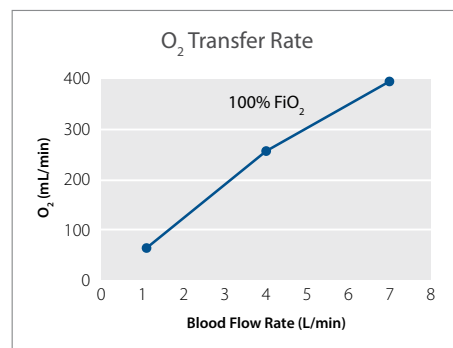
Multiple Gas Vents

Reduces the risk of gas pressure build-up in the oxygenator chamber

Oxygenator Performance Data³

Testing performance per ISO 7199, 2009 standard conditions.

Based on in vitro data; may not be indicative of clinical results.



A FULLY INTEGRATED OXYGENATOR AND ARTERIAL FILTER.

Electrical Shunt

- Equilibrates voltage between the blood and water pathways
- Reduces the potential for electrostatic discharge that may develop inside the blood pathway due to rotation of the roller pump heads

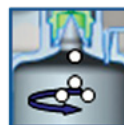
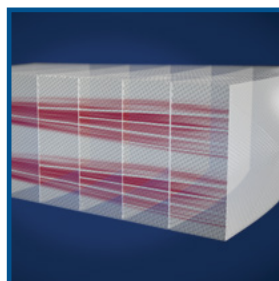
Plastic Heat Exchanger

- Small tube design of capillaries increases heat exchange performance
- Decreases prime volume
- Minimizes blood-contacting surfaces
- Enables device incineration

Progressive Fiber Filtration

Within the graduated fiber bundle assembly, gas exchange and particulate filtration occur simultaneously by means of Progressive Fiber Filtration, which allows for:

- Low pressure drop
- Enhanced gas transfer
- Short, uniform blood flow path
- Efficient particulate filtration
- A compact, low-prime design
- Integrated arterial filter



Pre-membrane Bubble Trap

- Placed at top of oxygenator to purge air before it reaches the fiber membrane
- Tangential flow creates centrifugal force that moves air to the center of device and removes through purge line
- Built-in, one-way valve

Radial Blood Flow Design

- Facilitates a short, uniform blood flow path that avoids areas of stasis
- Minimizes blood's contact with foreign surfaces

Proprietary Graduated Fiber Bundle Density Technology

- Optimized bundle efficiency
- Manufacturing consistency
- Progressive Fiber Filtration

 Blood
 Gas
 Water

Caution: Once an oxygenator is primed with blood, adequate heparinization should be maintained per institution cardiopulmonary bypass (CPB) protocol and the blood pathway should be constantly recirculated within the recommended blood flow range.

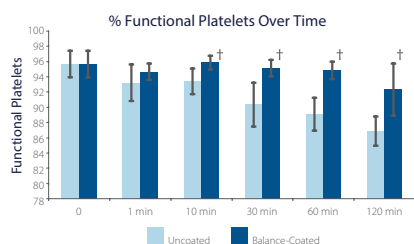
Affinity Fusion Oxygenation System

Affinity Fusion Oxygenation Systems		
Model#	Product Description	Units/case
BB841	Oxygenator with Integrated Arterial Filter and Cardiotomy/ Venous Reservoir with Balance Biosurface	1
CB841	Oxygenator with Integrated Arterial Filter with Cortiva BioActive Surface and Cardiotomy/Venous Reservoir with Balance Biosurface	1
BB811	Oxygenator with Integrated Arterial Filter and Balance Biosurface	1
CB811	Oxygenator with Integrated Arterial Filter and Cortiva BioActive Surface	1

Affinity Fusion Accessories and Holders		
Model#	Product Description	Units/case
AUH2093	Affinity Orbit Holder System	1
ATP210	Temperature Probe	1
AMH2014	Affinity Manifold Holder	1
RCL841	Recirculation Line	12
AUH4014	Affinity Orbit Arterial Filter Arm	1

References

1. Technology licensed under agreement from Biointeractions, Limited, United Kingdom.
2. % Functional Platelets Over Time.



Comparison between Balance-coated and uncoated in vitro bench test circuits of percentage of platelets that are activated with adenosine diphosphate (ADP @20 μ M) in circulating heparinized human blood over time. Error bars represent standard deviation. († indicates $p < 0.05$)

3. Data on file at Medtronic.

Specifications

Oxygenator

Membrane Type	Microporous polypropylene hollow fiber
Membrane Surface Area	2.5 m ²
Heat Exchange Material	Polyethylene Terephthalate (PET)
Static Priming Volume	260 mL
Recommended Blood Flow Rate	1-7 L/min
Maximum Water Side Pressure	30 psi
Maximum Blood Pressure	750 mmHg
Arterial Outlet Port	3/8"
Venous Inlet Port	3/8"
Arterial Sample Port	Female Luer Port
Recirculation Port	1/4"
Cardioplegia Port	1/4"
Gas Inlet Port	1/4" Nonbarbed
Gas Outlet Port	3/8" Nonbarbed
Water Ports	1/2" Quick Disconnects
Filtration	25 μ m

Cardiotomy/Venous Reservoir

Reservoir Volume Capacity	4500 ml
Recommended Blood Flow Rate	1-7 L/min
Maximum Cardiotomy Flow Rate	6 L/min
Minimum Operating Level	200 at 7 L/min
Cardiotomy Filtration	30 μ m
Venous Screen	105 μ m
Venous Inlet, Rotatable	1/2" with 3/8" adapter
Venous Reservoir Outlet	3/8"
Vent/VAVD Port	1/4" Nonbarbed
Cardiotomy Port (4)	1/4"
Cardiotomy Port (1)	3/8"
Prime Port	1/4" Nonbarbed
Recirculation Port	1/4"
Filtered Luer Lock Ports	4
Non-filtered Luer Lock Ports	2
Venous Luer Lock Ports	2
Positive Pressure Relief Valve Crack	< 5 mmHg
Vacuum Pressure Relief Valve Crack	>100 mmHg average

For information on Affinity Fusion visit: www.fusionoxygenator.com

For information on other Medtronic technologies for extracorporeal circulation, blood processing and diagnostics, visit: www.perfusion.medtronic.com

Medtronic

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! Indications, Safety, and Warnings

HEALTHCARE PROFESSIONALS

AFFINITY NT™ OXYGENATION SYSTEM

With Balance™ Biosurface



OVERVIEW

The Affinity NT™ oxygenation system set the standard for the industry as the first to feature a radial blood flow design and graduated fiber winding.

CONSISTENT PERFORMANCE RELIABLE RESULTS

The Affinity NT™ oxygenator continues the Affinity™ tradition of high performance and convenience.

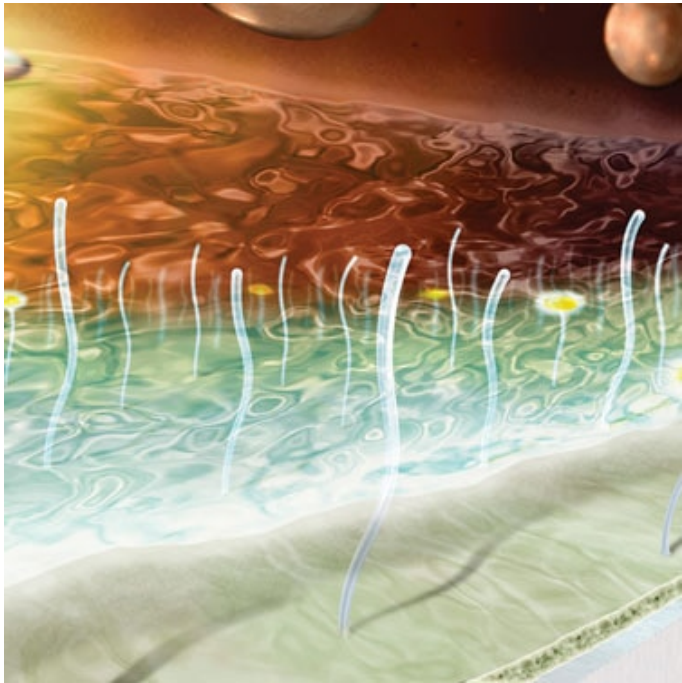
6+
MILLION
Produced on single
manufacturing line

- Proprietary graduated fiber bundle density technology and radial flow design for enhanced gas transfer and low pressure drop
- Excellent air handling capabilities with separate venous and cardiectomy inlets, a final screen intended to remove air and other potential emboli, and a design that prevents blood contact with defoamer (unless foam is present)
- Clear design for unobstructed visibility pre- and post-membrane for ease in

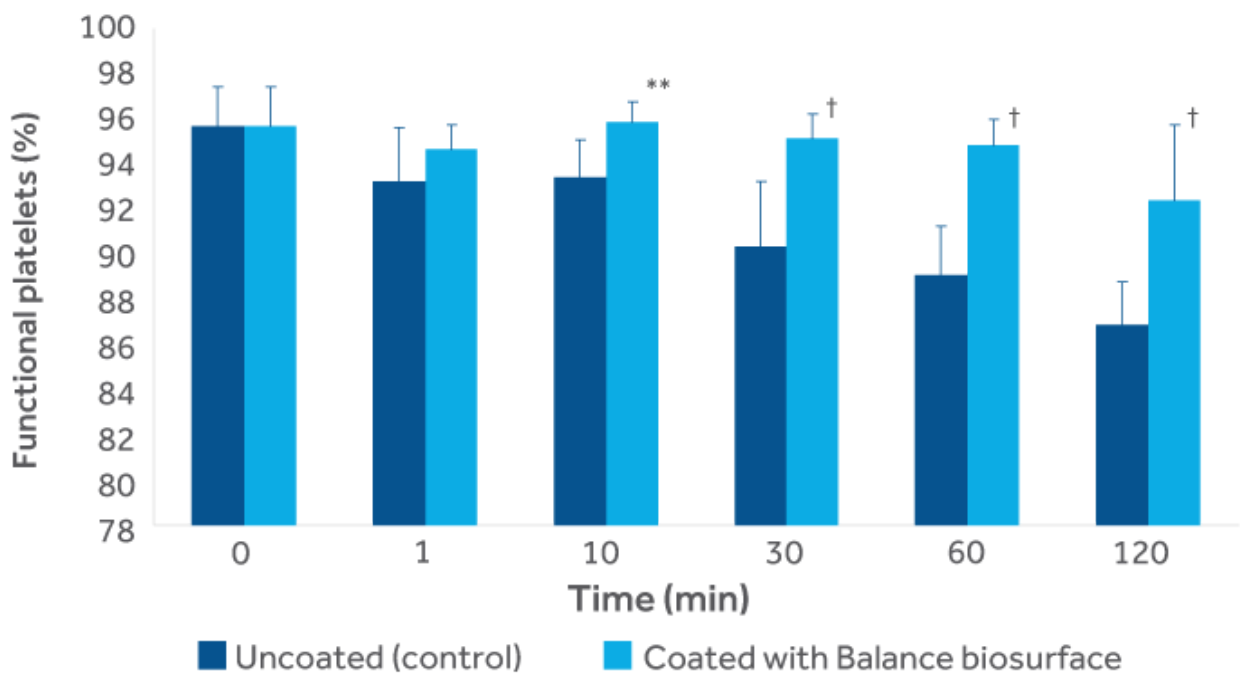
BALANCE BIOSURFACE*

A balanced approach to preserving platelet function.

Balance’s heparin-free, hydrophilic polymer surface reduces platelet adhesion and activation.¹ Platelet activation has been shown to play a role in systemic inflammatory response.²⁻⁵

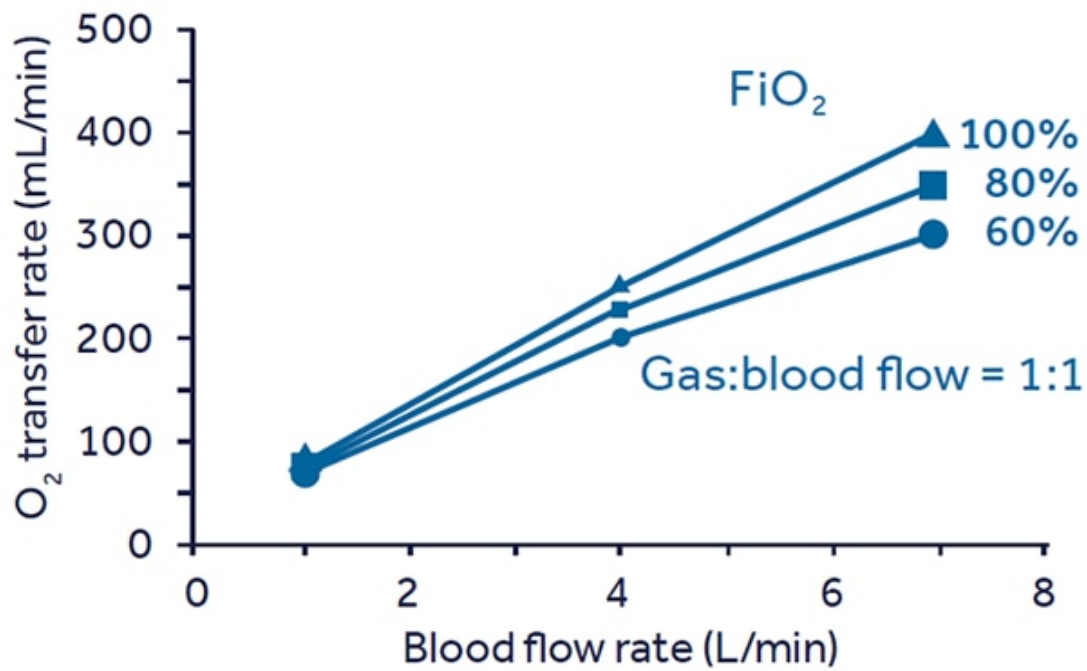


% FUNCTIONAL PLATELETS OVER TIME†

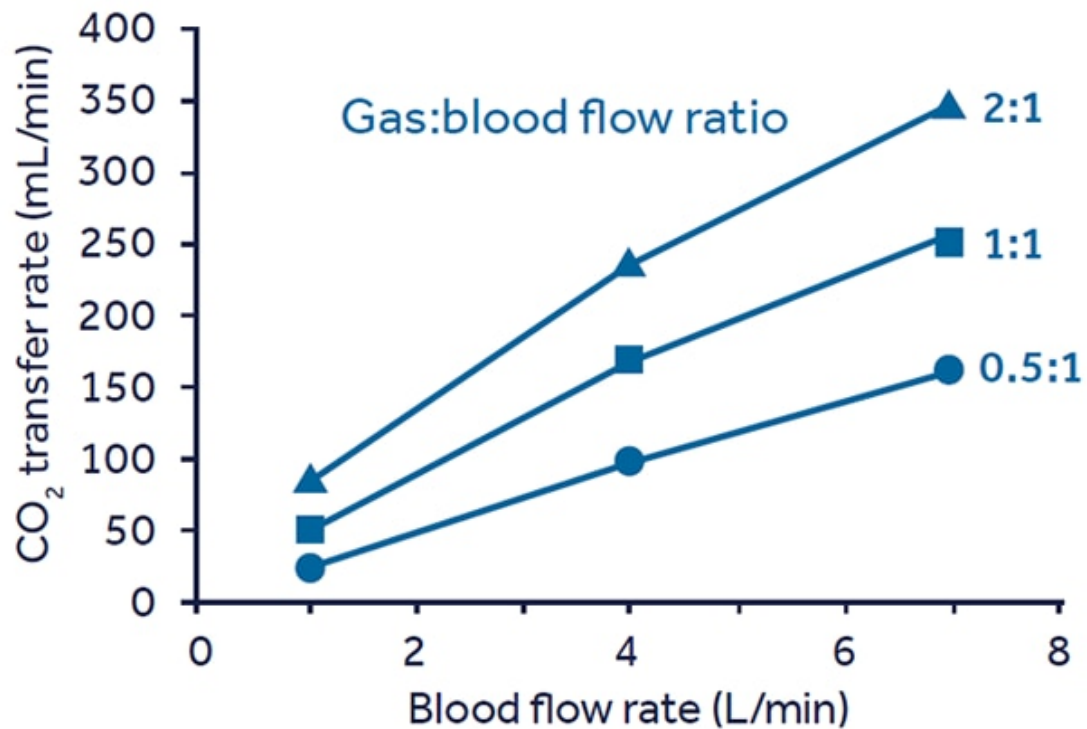


OXYGENATOR PERFORMANCE DATA

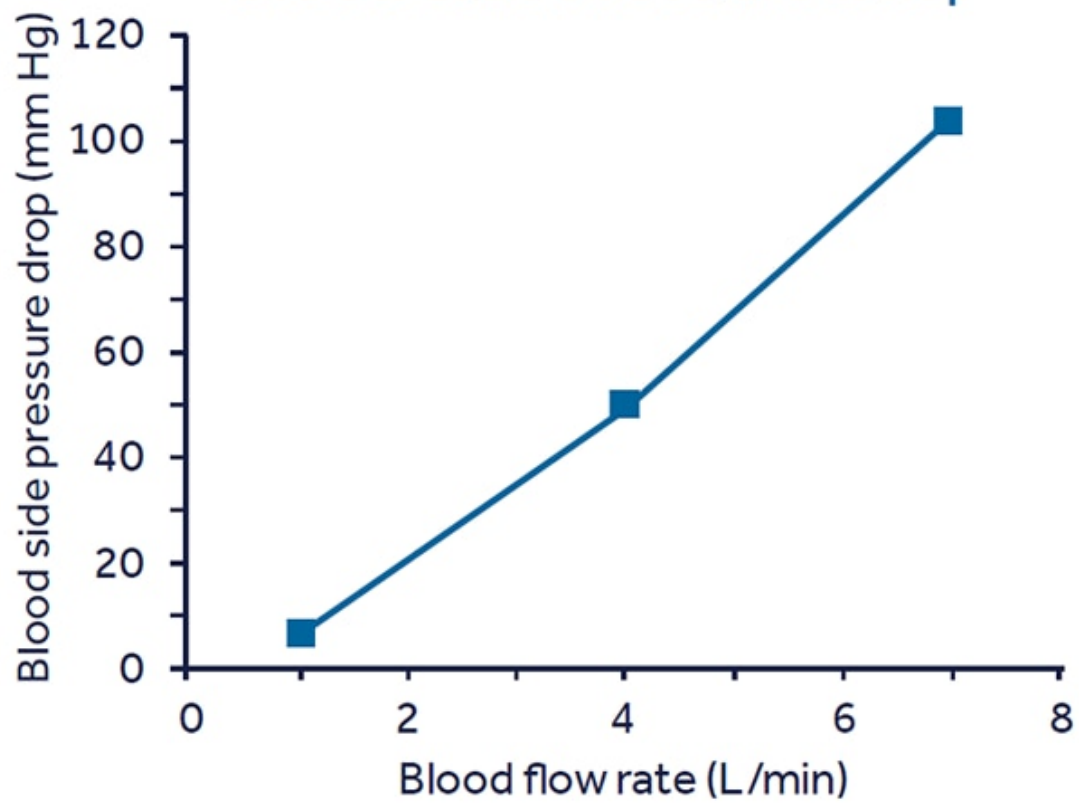
O₂ Transfer Rate

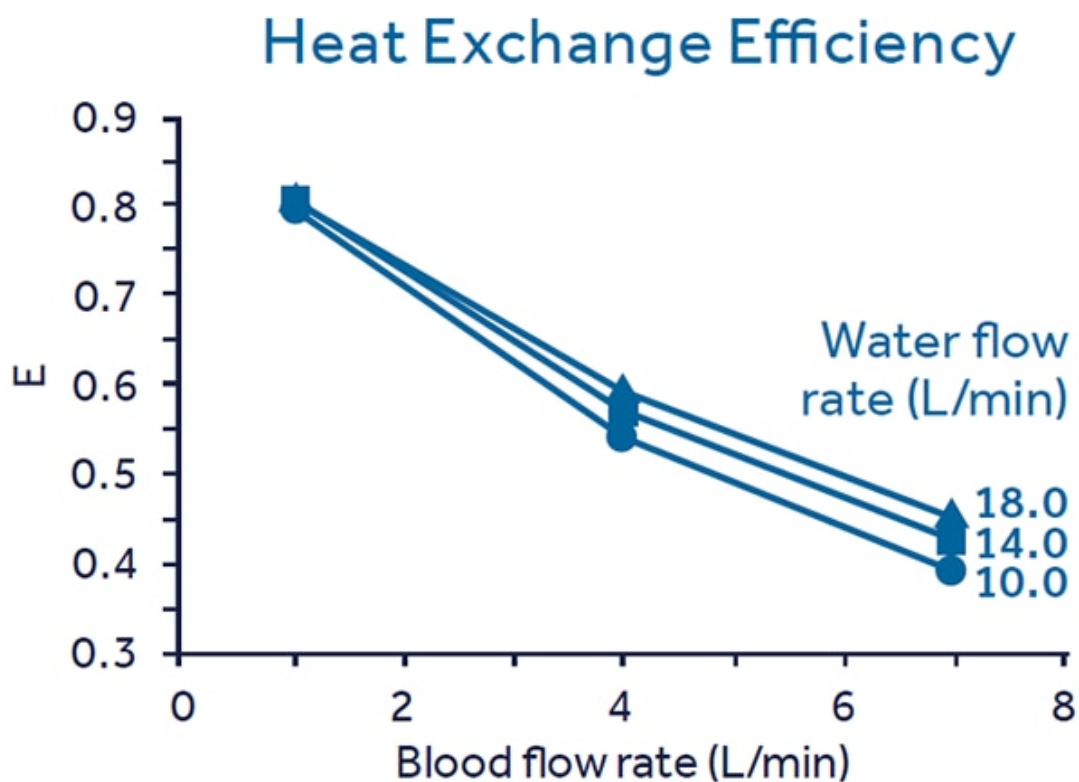


CO₂ Transfer Rate



Blood Side Pressure Drop





MANUALS AND TECHNICAL GUIDES

Find the Affinity NT™ oxygenation system technical manual in the product labeling supplied with each device.

MODEL SPECIFICATIONS



AFFINITY NT™ OXYGENATOR

Membrane type: Microporous polypropylene hollow fibers

Membrane surface area: 2.5m²

Static priming volume: 280 ml

Recommended blood flow rate: 1-7 L/min

Maximum water side pressure: 30 psi

Arterial outlet port: 3/8"

Venous inlet port: 3/8"

Arterial sample port: Female luer port

Access port: Female luer port

Recirculation port: 1/4"

Gas outlet port: 3/8" nonbarbed

Water ports: 1/2" quick disconnects



AFFINITY NT™ CVR SPECIFICATIONS

Reservoir volume capacity: 4,000 ml

Recommended blood flow rate: 1-7 L/min

Maximum cardiotomy blood flow rate: 6 L/min

Minimum operating level: 200ml

Cardiotomy filtration: 30 µm

Venous inlet screen: 200 µm

Final reservoir screen: 150 µm

Positive pressure relief valve crack: < 5 mm Hg

Vacuum pressure relief valve crack: > 150 mm Hg

ORDERING INFORMATION

OXYGENATORS

PRODUCT NUMBER	541B
PRODUCT DESCRIPTION	Affinity NT™ integrated uncoated CVR/oxygenator with Balance Biosurface
UNITS/CASE	2
PRODUCT NUMBER	511B
PRODUCT DESCRIPTION	Affinity NT™ oxygenator with Balance Biosurface
UNITS/CASE	Available in custom tubing packs

ACCESSORIES AND HOLDERS

MODEL NUMBER	61399401093
PRODUCT DESCRIPTION	Affinity™ oxygenator with integrated CVR holder
UNITS/CASE	1
MODEL NUMBER	61399401072
PRODUCT DESCRIPTION	Affinity™ oxygenator holder
UNITS/CASE	1
MODEL NUMBER	TP
PRODUCT DESCRIPTION	Temperature probe
UNITS/CASE	1

* Cortiva™ BioActive Surface, formerly marketed under the Carmeda® brand name. Carmeda is a registered trademark of Carmeda AB (Sweden). Technology licensed under agreement from BioInteractions, Limited, United Kingdom

† Representative of the Affinity NT with Balance Biosurface. Bench data on file. Not necessarily predictive of clinical performance results..

¹ Medtronic data on file.

² Morrell CN, Aggrey AA, Chapman LM, Modjeski KL. Emerging roles for platelets as immune and inflammatory cells. *Blood*. May 1, 2014;123(18):2759-2767.

³ Sonmez O, Sonmez M. Role of platelets in immune system and inflammation. *Porto Biomedical Journal*. November-December 2017;2(6):311-314.

⁴ Mirza I, Kottke-Marchant K. In: Kottke- Marchant K, ed. *An Algorithmic Approach to Hemostasis Testing*. 2nd ed. College of American Pathologists; 2016:30-31.

⁵ Thomas MR, Storey RF. The role of platelets in inflammation. *Thromb Haemost*. August 31, 2015;114(3):449-458.

REQUEST MORE INFORMATION

CONTACT US

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- Perfusion

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Medtronic

Engineering the extraordinary

Cannula catalog

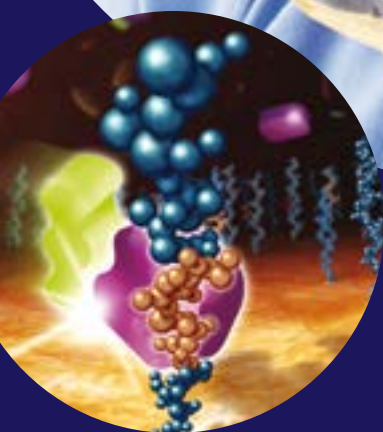
Medtronic in cardiac surgery

A company
like no other



The largest
cannula portfolio
worldwide, backed
by an even larger
commitment
– **to you.**

The products in this catalog are available for our customers in Europe, Middle East, Africa and Russia



Cortiva™ BioActive Surface

- Durable, non-leaching end point-attached heparin
- Provides thromboresistance and enhanced blood compatibility

All product codes with * are also available with Cortiva™ BioActive Surface. For more information, contact your local Medtronic Cannula Products representative.

Contents

For more information, contact your local Medtronic cannula products representative.

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Alleviate pain. Restore health. Extend life.

Living our mission with you

Our Mission guides our day-to-day work and reminds us that our efforts, large and small, transform the lives of millions of people each year.

We have been working with you to deliver trusted and innovative cannula options for more than 40 years for standard, pediatric, and MICS procedures – more recently ECLS – while offering your favorite cardiac suction, surgical support items, and cardio-kits.

Together, we can deliver the cardiac cannula solutions that matter most to you – and your patients.

Extracorporeal circuit

Arterial cannulae



Arterial cannulae are intended to deliver blood to the patient during cardiopulmonary bypass. Medtronic understands the importance of gentle flow in the often fragile aorta. We offer a number of different product variations to facilitate a variety of surgical techniques and to accommodate varying patient anatomies. Our adult and pediatric arterial cannulae are available in sizes from 6 Fr to 24 Fr in a variety of tip configurations, lengths, and connector sizes to meet your specific needs.

Arterial cannulae



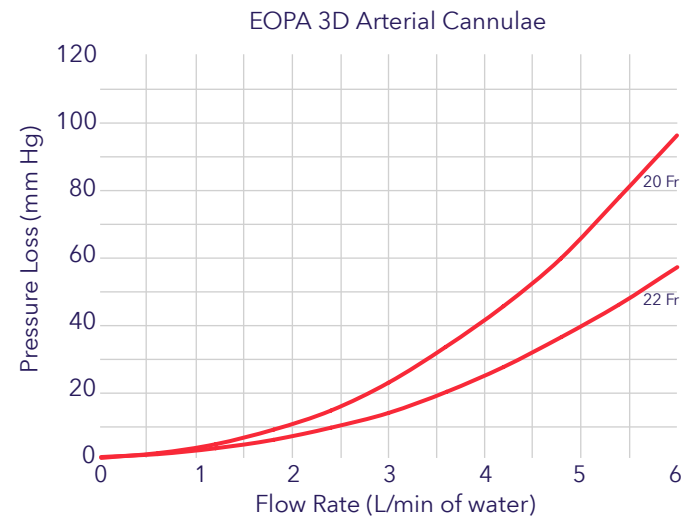
▶ EOPA 3D™	6
▶ Select 3D™ II	7
▶ EOPA™ Elongated One-Piece	8
▶ DLP™ One-Piece Pediatric	9
▶ DLP™ Straight Tip	10
▶ DLP™ Flexible Arch	11
▶ Select Series™ Straight Tip	12
▶ Select Series™ Angled Tip	13
▶ DLP™ Curved Tip with One-Piece Wirewound Body	14
▶ DLP™ Curved Tip Cannulae with Wirewound Body	15
▶ DLP™ Curved Tip	16
▶ DLP™ Curved Metal Tip	18

Arterial Cannulae

EOPA 3D™ Arterial cannulae



These cannulae offer unique tapered diffuse flow tips and kink-resistant, elongated wirewound bodies. The 3-D tip is designed with three integrated flutes to diffuse and disperse blood flow. Features include adjustable radiopaque suture ring, obturator, hemostasis cap, and depth markings.



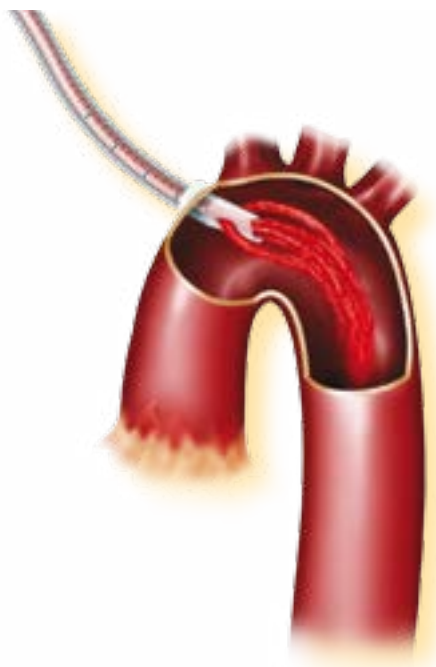
Vented 3/8 in (0.95 cm) connector

78220*	20 Fr (6.7 mm)
78222	22 Fr (7.3 mm)

Non-vented 3/8 in (0.95 cm) connector

78320	20 Fr (6.7 mm)
78322*	22 Fr (7.3 mm)

10 per carton



* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

Select 3D™ II Arterial cannulae



These cannulae offer beveled tips and tapered, one-piece, kink-resistant wirewound bodies. The tips feature three integrated flutes, which help diffuse and disperse blood flow.



11.5 in (29.2 cm)
overall length
45° tip

Vented 3/8 in (0.95 cm) connector

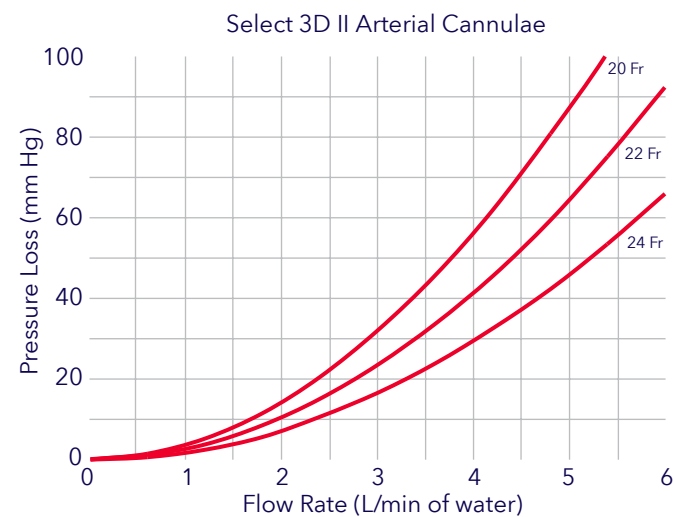
78420	20 Fr (6.7 mm)
78422	22 Fr (7.3 mm)
78424	24 Fr (8.0 mm)



Non-vented 3/8 in (0.95 cm) connector

78520	20 Fr (6.7 mm)
78522	22 Fr (7.3 mm)
78524	24 Fr (8.0 mm)

20 per carton

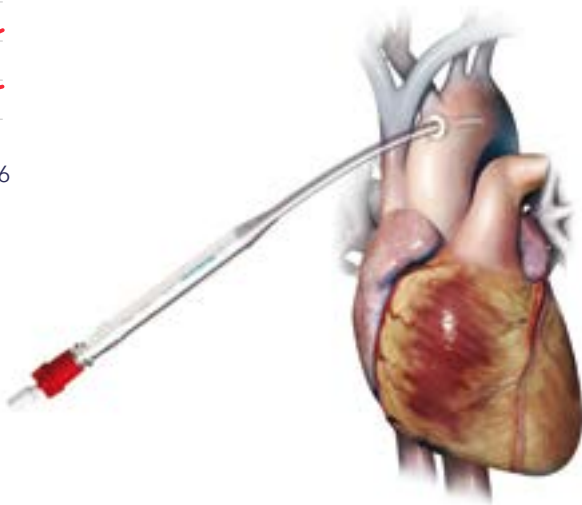
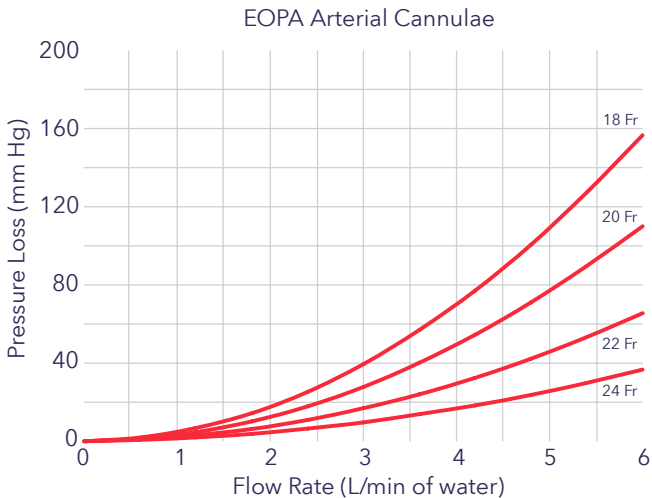


Arterial Cannulae

EOPA™ Elongated One-Piece Arterial Cannulae



These cannulae offer elongated, one-piece, kink-resistant wirewound bodies with an introducer and hemostasis cap. Features include depth markings and an adjustable radiopaque suture ring.



12 in (30.5 cm) overall length

Blunt tip introducer
without guidewire

Vented 3/8 in (0.95 cm) connector

77418	18 Fr (6.0 mm)
77420*	20 Fr (6.7 mm)
77422*	22 Fr (7.3 mm)
77424	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

77518	18 Fr (6.0 mm)
77520*	20 Fr (6.7 mm)
77522*	22 Fr (7.3 mm)
77524	24 Fr (8.0 mm)

10 per carton



12 in (30.5 cm) overall length

Dilator tip introducer
with 0.038 in (0.0965 mm) guidewire

Vented 3/8 in (0.95 cm) connector

77618*	18 Fr (6.0 mm)
77620*	20 Fr (6.7 mm)
77622*	22 Fr (7.3 mm)
77624	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

77718	18 Fr (6.0 mm)
77720*	20 Fr (6.7 mm)
77722*	22 Fr (7.3 mm)
77724	24 Fr (8.0 mm)

10 per carton

* Also available with Cortiva™ BioActive Surface.

Important Safety Information

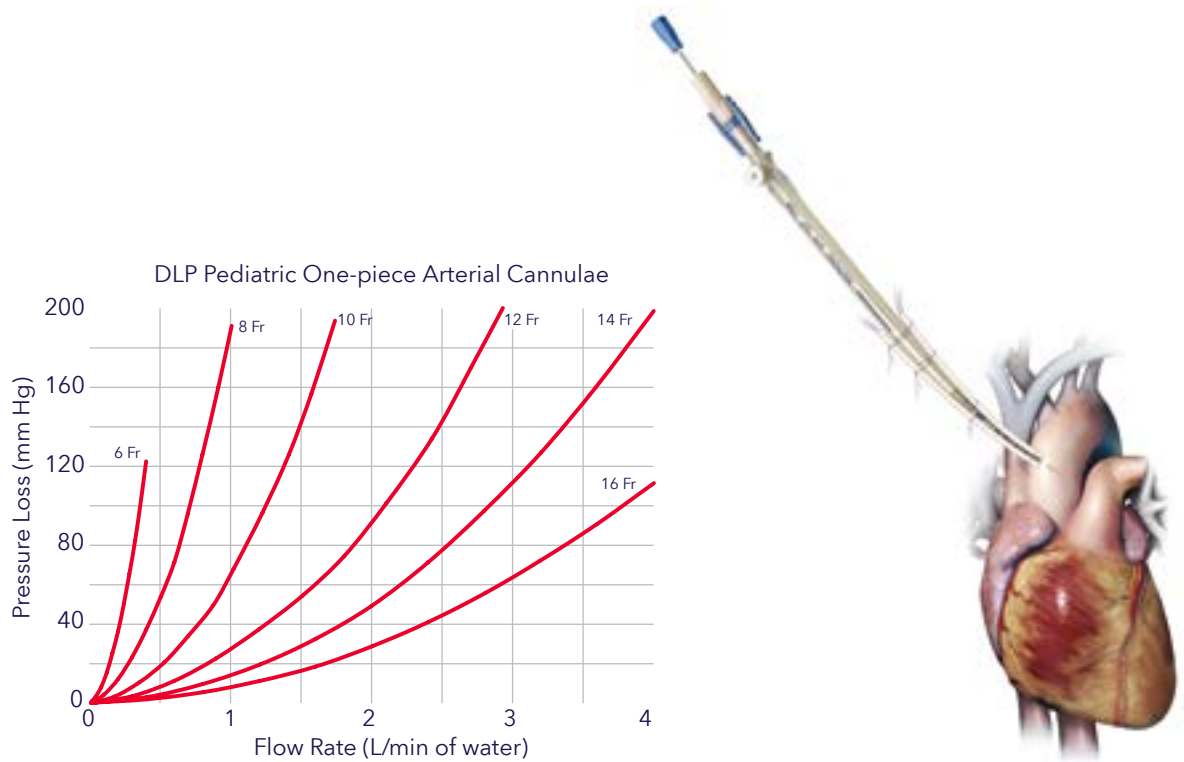
EOPA models with dilator tip introducer: A guidewire must be used for proper placement of introducer tip while inserting cannula to avoid trauma to the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgical procedures.

Arterial Cannulae

DLP™ One-Piece Pediatric Arterial Cannulae



These cannulae offer beveled tips with elongated, one-piece, kink-resistant wirewound bodies. Features include an adjustable hemostasis introducer system and depth markings.



**9 in (22.9 cm)
overall length**

**Vented 1/4 in (0.64 cm)
connector (blue hub)**

77006* 6 Fr (2.0 mm)

77008* 8 Fr (2.7 mm)

77010* 10 Fr (3.3 mm)

77012* 12 Fr (4.0 mm)

77014* 14 Fr (4.7 mm)

77016* 16 Fr (5.3 mm)

**Non-vented 1/4 in (0.64 cm)
connector (blue hub)**

77106 6 Fr (2.0 mm)

77108 8 Fr (2.7 mm)

77110 10 Fr (3.3 mm)

77112 12 Fr (4.0 mm)

77114 14 Fr (4.7 mm)

77116 16 Fr (5.3 mm)

5 per carton



**9 in (22.9 cm)
overall length**

**Vented 3/16 in (0.48 cm)
connector (grey hub)**

77206 6 Fr (2.0 mm)

77208 8 Fr (2.7 mm)

77210 10 Fr (3.3 mm)

77212 12 Fr (4.0 mm)

**Non-vented 3/16 in (0.48 cm)
connector (grey hub)**

77306 6 Fr (2.0 mm)

77308 8 Fr (2.7 mm)

77310 10 Fr (3.3 mm)

77312 12 Fr (4.0 mm)

5 per carton



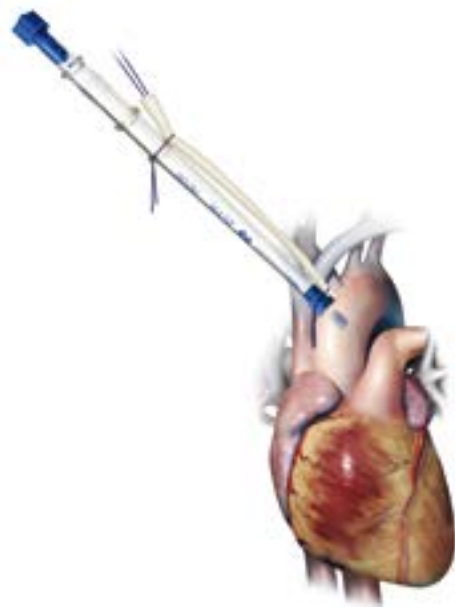
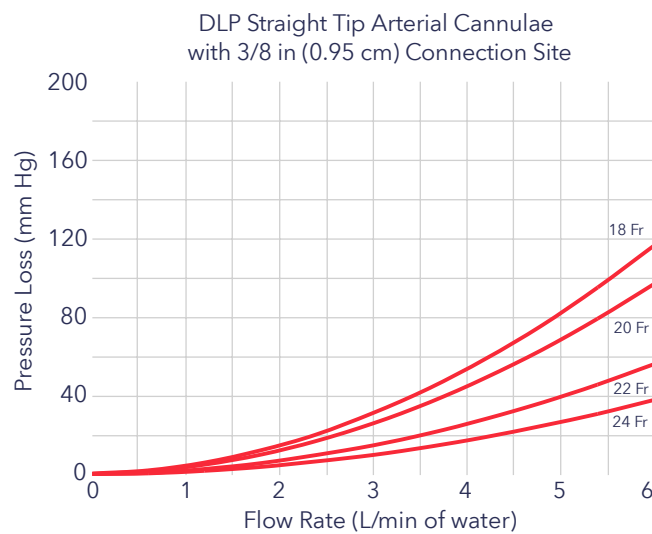
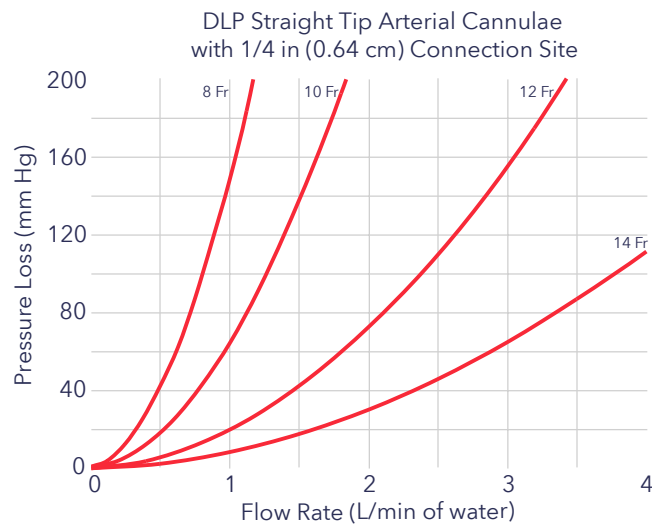
* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

DLP™ Straight Tip Arterial Cannulae



These pediatric and adult cannulae feature beveled tips and tapered bodies. A variety of sizes are available.



7 in (17.8 cm) overall length

Connection site 1/4 in (0.64 cm)

75008	8 Fr (2.7 mm)
75010	10 Fr (3.3 mm)
75012	12 Fr (4.0 mm)
75014	14 Fr (4.7 mm)

Connection site 3/8 in (0.95 cm)

75318*	18 Fr (6.0 mm)
75320*	20 Fr (6.7 mm)
75322	22 Fr (7.3 mm)
75324	24 Fr (8.0 mm)

20 per carton

8 in (20.3 cm) overall length

Vented 3/8 in (0.95 cm) connector

76020	20 Fr (6.7 mm)
76022	22 Fr (7.3 mm)
76024	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

76118	18 Fr (6.0 mm)
76120	20 Fr (6.7 mm)
76122	22 Fr (7.3 mm)
76124	24 Fr (8.0 mm)

20 per carton

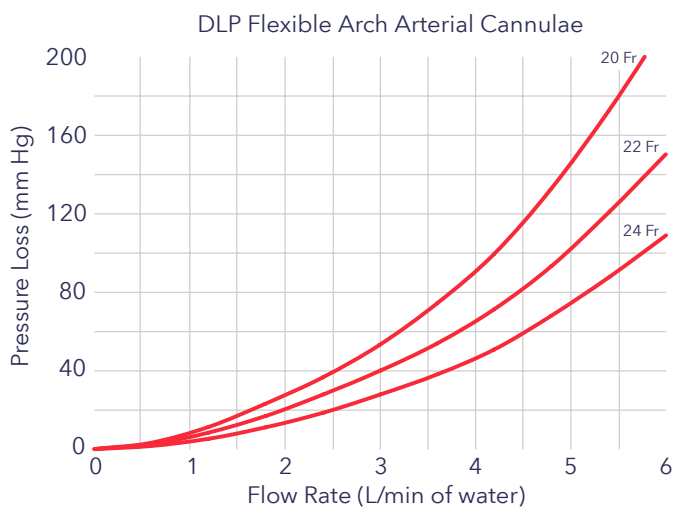
* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

DLP™ Flexible Arch Arterial Cannulae



These cannulae offer beveled tips and tapered, one-piece bodies. Features include adjustable ring and depth markings.



11 in (27.9 cm) overall length

Vented 3/8 in (0.95 cm) connector

70420	20 Fr (6.7 mm)
70422	22 Fr (7.3 mm)
70424	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

71420	20 Fr (6.7 mm)
71422	22 Fr (7.3 mm)
71424*	24 Fr (8.0 mm)

20 per carton

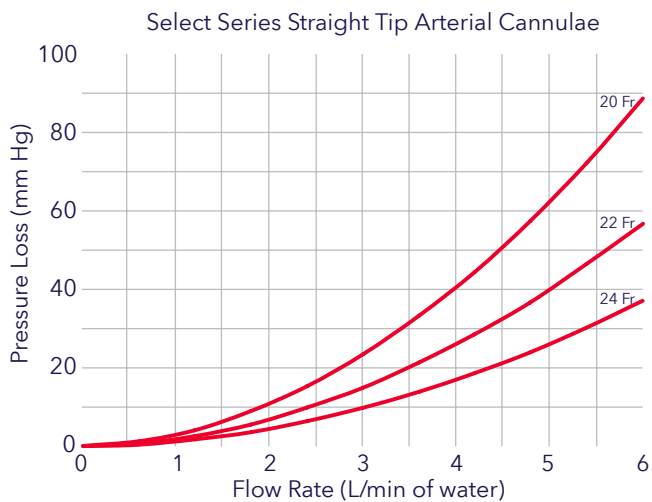
* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

Select Series™ Straight Tip Arterial Cannulae



These cannulae feature beveled tips and tapered, one-piece, kink-resistant wirewound bodies, and connector peel cap.



12 in (30.5 cm) overall length

Vented 3/8 in (0.95 cm) connector

72120	20 Fr (6.7 mm)
72122	22 Fr (7.3 mm)
72124*	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

72220	20 Fr (6.7 mm)
72222	22 Fr (7.3 mm)
72224*	24 Fr (8.0 mm)

20 per carton

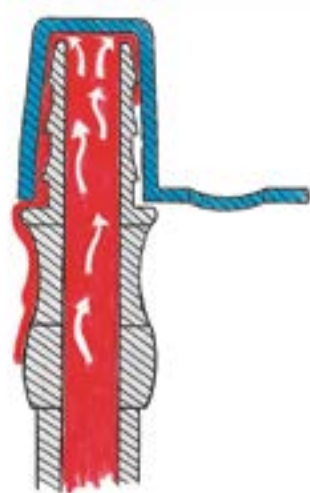
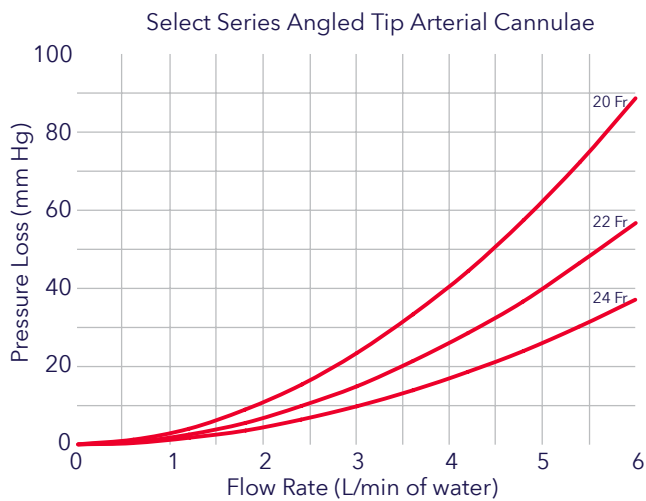
* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

Select Series™ Angled Tip Arterial Cannulae



These cannulae feature beveled tips and tapered, one-piece, kink-resistant wirewound bodies, and connector peel cap.



12 in (30.5 cm) overall length
45° tip without side holes

Vented 3/8 in (0.95 cm) connector

72420	20 Fr (6.7 mm)
72422	22 Fr (7.3 mm)
72424	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

72520	20 Fr (6.7 mm)
72522	22 Fr (7.3 mm)
72524	24 Fr (8.0 mm)

20 per carton



12 in (30.5 cm) overall length
45° tip with side holes

Vented 3/8 in (0.95 cm) connector

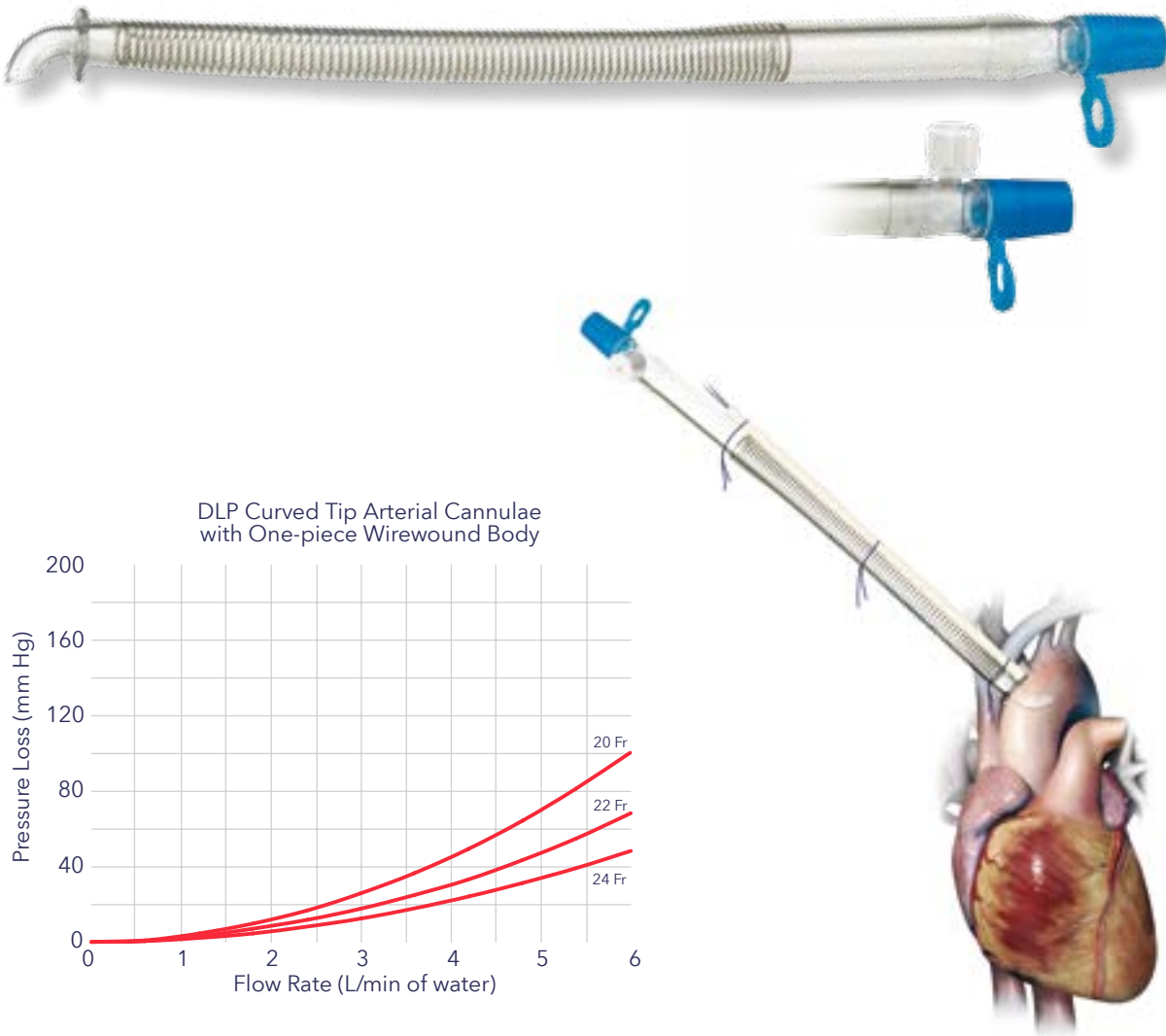
73420	20 Fr (6.7 mm)
73422	22 Fr (7.3 mm)
73424	24 Fr (8.0 mm)

Arterial Cannulae

DLP™ Curved Tip Arterial Cannulae with One-piece Wirewound Body



These cannulae feature beveled curved tips and tapered, one-piece, kink-resistant wirewound bodies, tip orientation line, and connector peel cap.



11 in (27.9 cm) overall length
Round flange

Vented 3/8 in (0.95 cm) connector

87220	20 Fr (6.7 mm)
87222*	22 Fr (7.3 mm)
87224	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

87120	20 Fr (6.7 mm)
87122	22 Fr (7.3 mm)
87124	24 Fr (8.0 mm)

10 per carton

* Also available with Cortiva™ BioActive Surface.

Arterial Cannulae

DLP™ Curved Tip Arterial Cannulae with Wirewound Body



These cannulae feature an overall longer length, beveled curved tips, and wirewound bodies with tip orientation line.



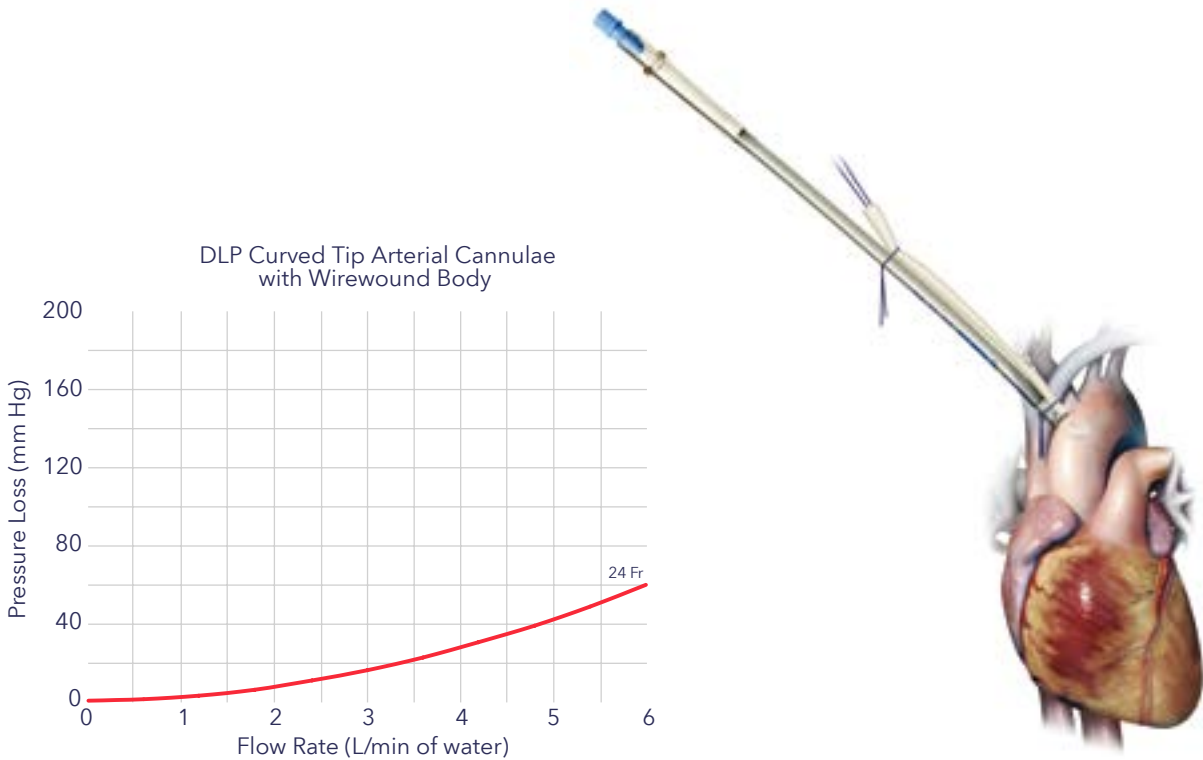
13 in (33.0 cm)
overall length

Curved tip with flange

Connection site 3/8 in (0.95 cm)

87024	24 Fr (8.0 mm)
--------------	----------------

10 per carton



13 in (33.0 cm)
overall length

Curved tip without flange

Connection site 3/8 in (0.95 cm)

87924	24 Fr (8.0 mm)
--------------	----------------

10 per carton

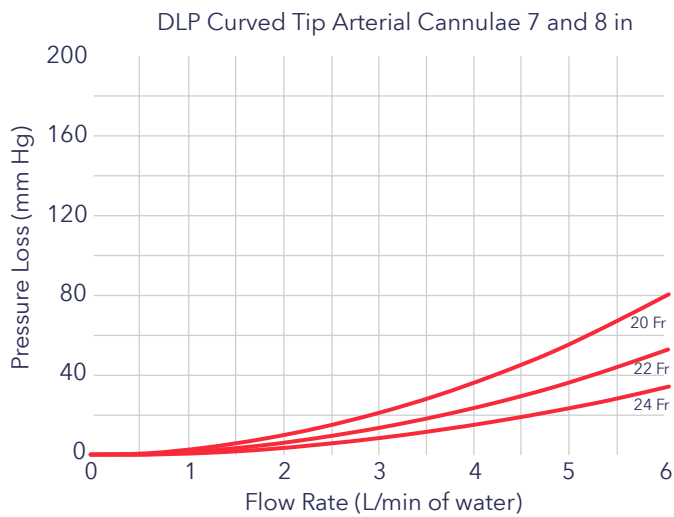


Arterial Cannulae

DLP™ Curved Tip Arterial Cannulae



These cannulae feature beveled curved tips and tapered bodies with tip orientation line.



7 in (17.8 cm) overall length

Curved tip with flange

Connection site 3/8 in (0.95 cm)

83020	20 Fr (6.7 mm)
83022	22 Fr (7.3 mm)
83024	24 Fr (8.0 mm)

20 per carton

7 in (17.8 cm) overall length

Curved tip without flange

Connection site 3/8 in (0.95 cm)

84020	20 Fr (6.7 mm)
84022	22 Fr (7.3 mm)
84024	24 Fr (8.0 mm)

20 per carton

8 in (20.3 cm) overall length

Curved tip with flange

Vented 3/8 in (0.95 cm) connector

88020	20 Fr (6.7 mm)
88022	22 Fr (7.3 mm)
88024	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

88120	20 Fr (6.7 mm)
88122	22 Fr (7.3 mm)
88124	24 Fr (8.0 mm)

20 per carton

8 in (20.3 cm) overall length

Curved tip without flange

Vented 3/8 in (0.95 cm) connector

89020	20 Fr (6.7 mm)
89022	22 Fr (7.3 mm)
89024	24 Fr (8.0 mm)

Non-vented 3/8 in (0.95 cm) connector

89120	20 Fr (6.7 mm)
89122	22 Fr (7.3 mm)
89124	24 Fr (8.0 mm)

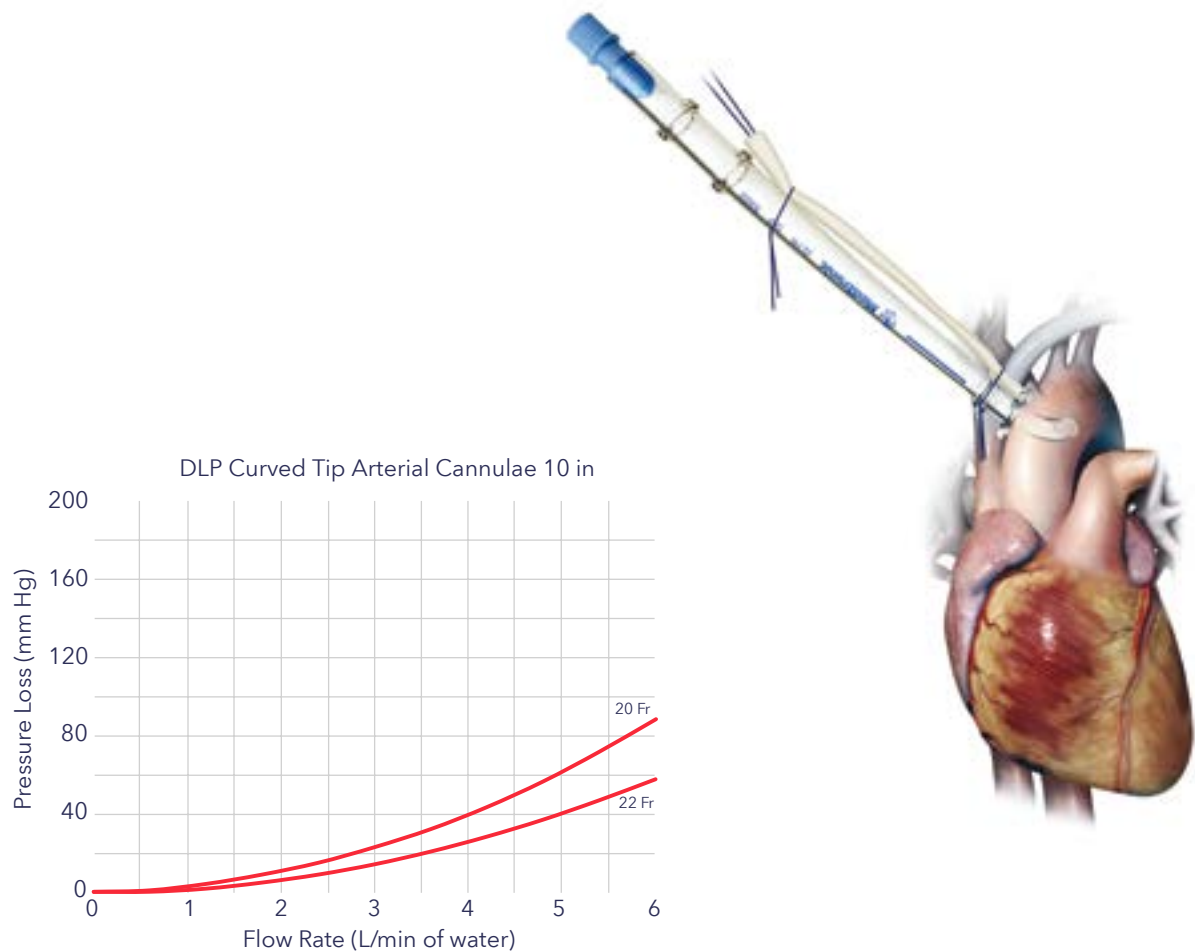
20 per carton

Arterial Cannulae

DLP™ Curved Tip Arterial Cannulae



These cannulae feature beveled curved tips and tapered bodies with tip orientation line.



* Also available with Cortiva™ BioActive Surface.

10 in (25.4 cm) overall length

Curved tip with flange and soft body

Vented 3/8 in (0.95 cm) connector

81020	20 Fr (6.7 mm)
81022	22 Fr (7.3 mm)

Non-vented 3/8 in (0.95 cm) connector

81120*	20 Fr (6.7 mm)
81122*	22 Fr (7.3 mm)

20 per carton

10 in (25.4 cm) overall length

Curved tip without flange and soft body

Vented 3/8 in (0.95 cm) connector

82020	20 Fr (6.7 mm)
82022	22 Fr (7.3 mm)

Non-vented 3/8 in (0.95 cm) connector

82120	20 Fr (6.7 mm)
82122	22 Fr (7.3 mm)

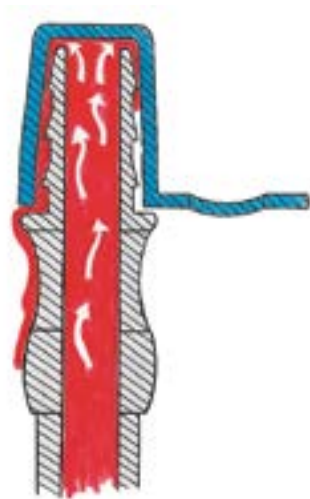
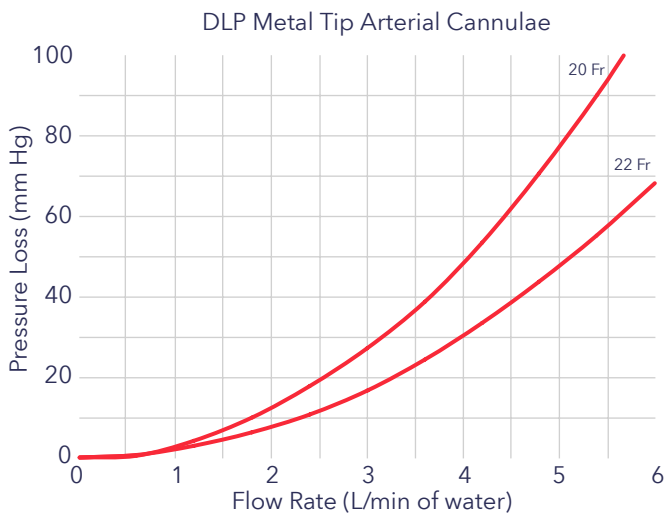
20 per carton

Arterial Cannulae

DLP™ Curved Metal Tip Arterial Cannulae



These cannulae feature beveled metal tips and tapered bodies with tip orientation line. A choice of either standard or soft flange is available.



10.5 in (26.7 cm) overall length

Soft flange

Vented 3/8 in (0.95 cm) connector

80020	20 Fr (6.7 mm)
80022	22 Fr (7.3 mm)

Non-vented 3/8 in (0.95 cm) connector

80120*	20 Fr (6.7 mm)
80122	22 Fr (7.3 mm)

20 per carton

10.5 in (26.7 cm) overall length

Standard flange

Vented 3/8 in (0.95 cm) connector

80220	20 Fr (6.7 mm)
80222	22 Fr (7.3 mm)

Non-vented 3/8 in (0.95 cm) connector

80320	20 Fr (6.7 mm)
80322	22 Fr (7.3 mm)

20 per carton

* Also available with Cortiva™ BioActive Surface.

Extracorporeal circuit

Femoral cannulae



The largest cannula portfolio worldwide.

Our commitment

– to you.

Femoral cannulae provide greater versatility of cannulation techniques to meet the needs of the changing patient population and the desire for smaller thoracic incisions. Designed to be placed in the femoral vein and/or artery, Medtronic femoral cannulae are ideally suited for both percutaneous and direct insertion. The unique flat wirewound, thin-wall construction of the Bio-Medicus™ cannulae maximizes flow rates and cannula flexibility. Our various sizes ensure the availability of a cannula to meet your specific needs.

Femoral cannulae



- ▶ Bio-Medicus™ NextGen Pediatric Arterial and Venous 21
- ▶ Bio-Medicus™ NextGen Arterial or Jugular Venous 22
- ▶ Bio-Medicus™ Percutaneous Kit, Multi-Stage venous 23
- ▶ Bio-Medicus™ NextGen Bi-caval Venous 24
- ▶ Bio-Medicus™ NextGen Insertion Kits 25
- ▶ DLP™ Venous 26
- ▶ DLP™ Arterial 27

Femoral Cannulae

Bio-Medicus™ NextGen Pediatric Arterial and Venous Cannulae



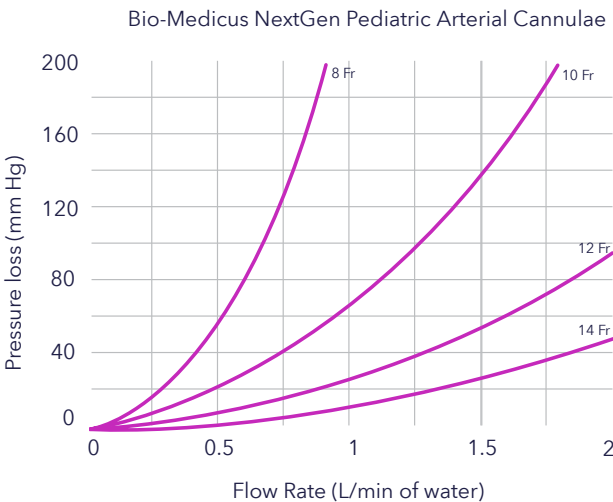
These pediatric cannulae offer a flexible, kink-resistant, thin-wall design that promotes maximum flow rates. The tip design eases insertion and provides a reinforced non-step transition zone along with smooth side holes. Both venous and arterial models are packaged with a tapered solid core and a percutaneous-style, guidewire-capable (0.025 mm dia), non-phthalate PVC introducer, allowing for either a traditional or Seldinger insertion. Each cannula includes a repositionable radiopaque suture ring, an improved friction-fit hemostasis cap, and a retention clip that aids in tubing management. These products are manufactured without DEHP.

Arterial

Non-vented 1/4 in (0.64 cm) connector

		Overall	Tip
96820-108	8 Fr (2.7 mm)	22.9 cm	10.0 cm
96820-110	10 Fr (3.3 mm)	22.9 cm	10.5 cm
96820-112	12 Fr (4.0 mm)	22.9 cm	11.0 cm
96820-114	14 Fr (4.7 mm)	22.9 cm	11.5 cm

1 per carton

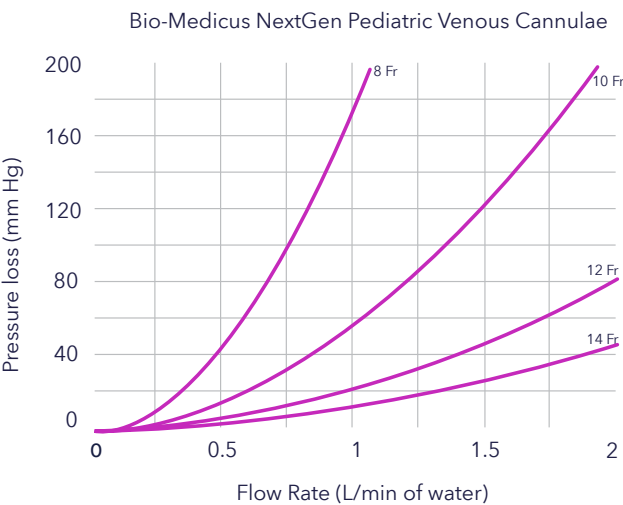


Venous

Non-vented 1/4 in (0.64 cm) connector

		Overall	Tip
96830-108	8 Fr (2.7 mm)	22.9 cm	10.0 cm
96830-110	10 Fr (3.3 mm)	22.9 cm	10.5 cm
96830-112	12 Fr (4.0 mm)	22.9 cm	11.0 cm
96830-114	14 Fr (4.7 mm)	22.9 cm	11.5 cm

1 per carton



Bio-Medicus Pediatric Cannulae



Retention Clip



See page 25 for 96553 insertion kit.

Femoral Cannulae

Bio-Medicus™ NextGen Femoral Arterial or Jugular Venous Cannulae

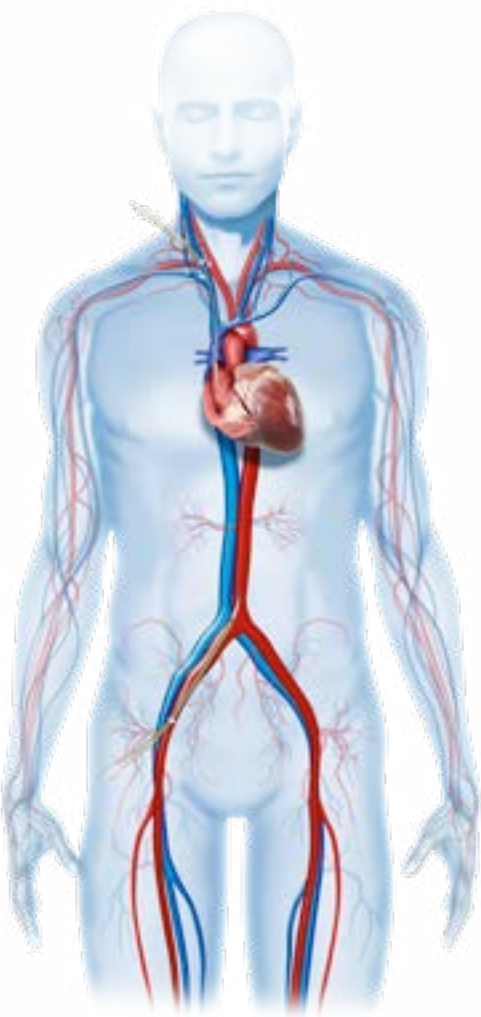


These cannulae offer a flexible, kink-resistant, thin-wall design that promotes maximum flow rates. The tip design eases insertion with a reinforced non-step transition zone, and smooth side holes. A silicone friction-fit cap and non-phthalate PVC introducer provide improved function as well. The percutaneous-style introducer, a repositionable radiopaque suture ring, and a 3/8 inch connection site are standard on all models.

Cannula kit includes:



White color dilator included with 21 Fr, 23 Fr, and 25 Fr models



12.5 in (31.8 cm) overall length

7.09 in (18.0 cm) tip

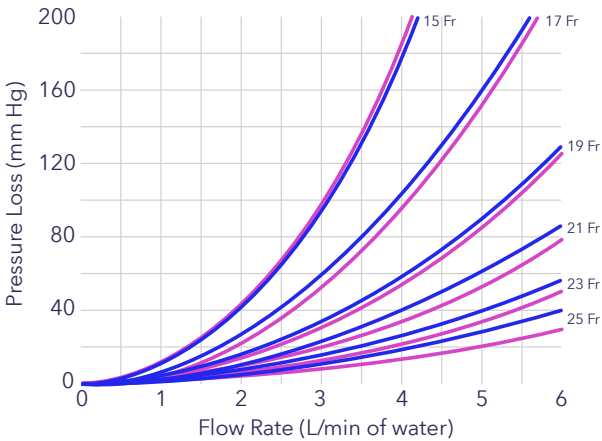
Vented 3/8 in (0.95 cm) connector

Cannula	Cannula Kit	French Size
96570-115	96530-115	15 Fr (5.0 mm)
96570-117	96530-117	17 Fr (5.7 mm)
96570-119	96530-119	19 Fr (6.3 mm)
96570-121	96530-121	21 Fr (7.0 mm)
96570-123	96530-123	23 Fr (7.7 mm)
96570-125	96530-125	25 Fr (8.3 mm)

1 per carton

Order your cannulae as single stand-alone units or with a kit included. For cannula singles, an insertion kit should be ordered.

Bio-Medicus NextGen Femoral Arterial/Jugular Venous Cannulae



• Bio-Medicus NextGen Femoral Arterial Cannulae
• Bio-Medicus NextGen Jugular Venous Cannulae



➤ See page 25 for 96552 insertion kit.

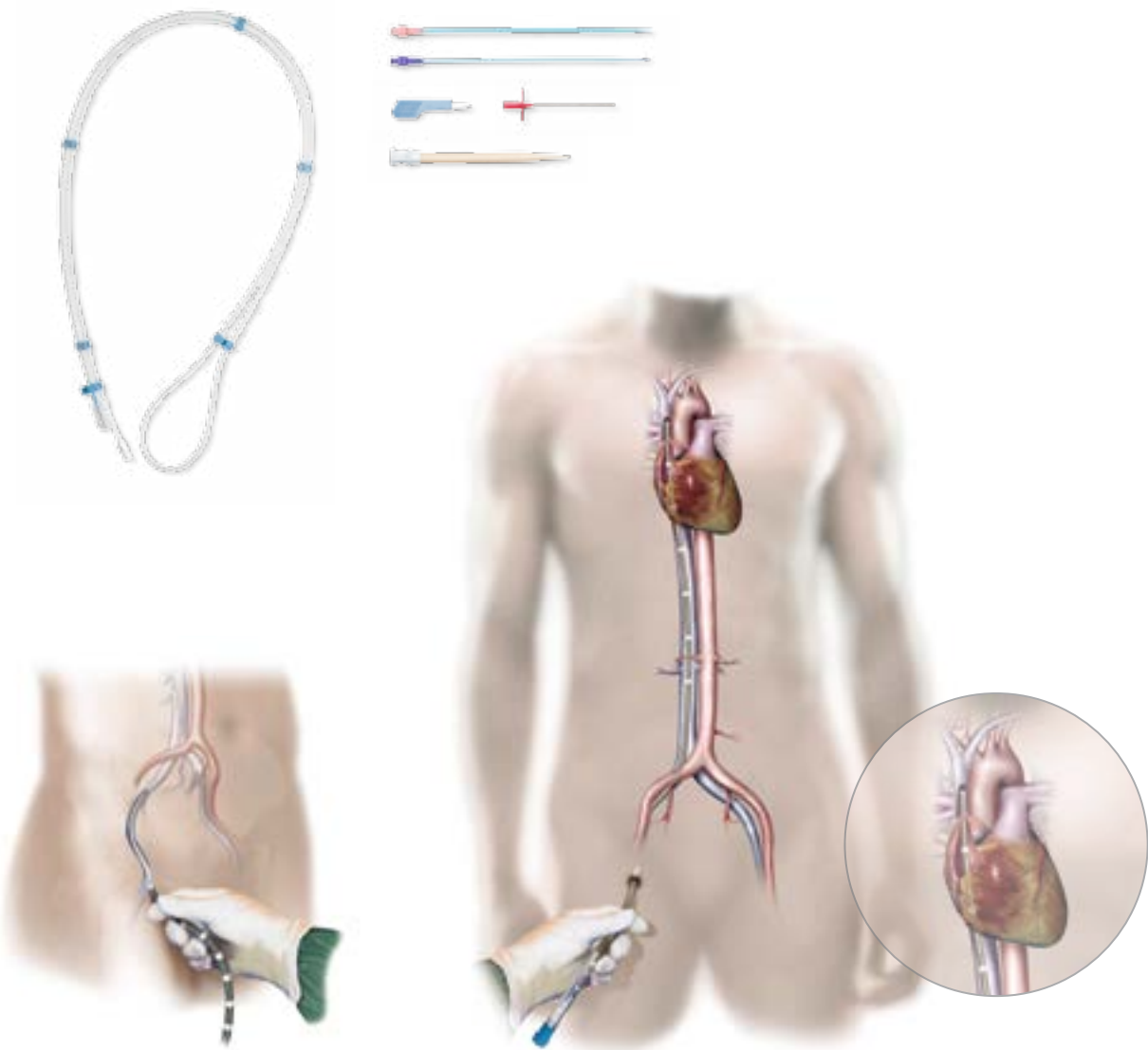
Femoral Cannulae

Bio-Medicus™ Percutaneous Kit, Multi-Stage Venous Femoral



These adult cannulae feature one-piece, kink-resistant, wirewound bodies with multiple side ports, an introducer with depth markings, and a tip taper location indicator. Insertion kit components are listed below.

Cannula kit includes:

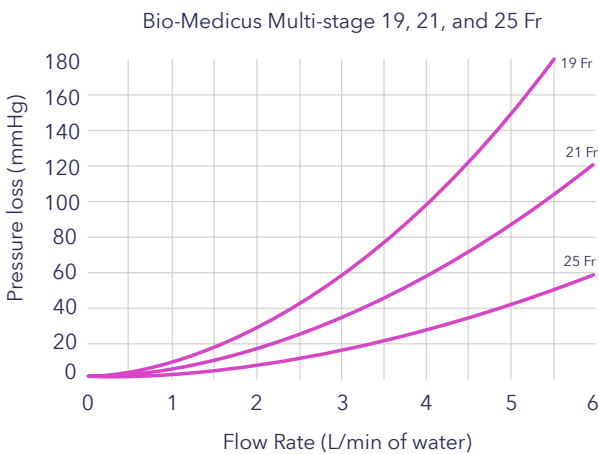


30 in (76.2 cm) overall length
23.6 in (60 cm) tip

Non-vented 3/8 in (0.95 cm) connector

96880-019	19 Fr (6.3 mm)
96880-021	21 Fr (7.0 mm)
96880-025	25 Fr (8.3 mm)

1 per carton



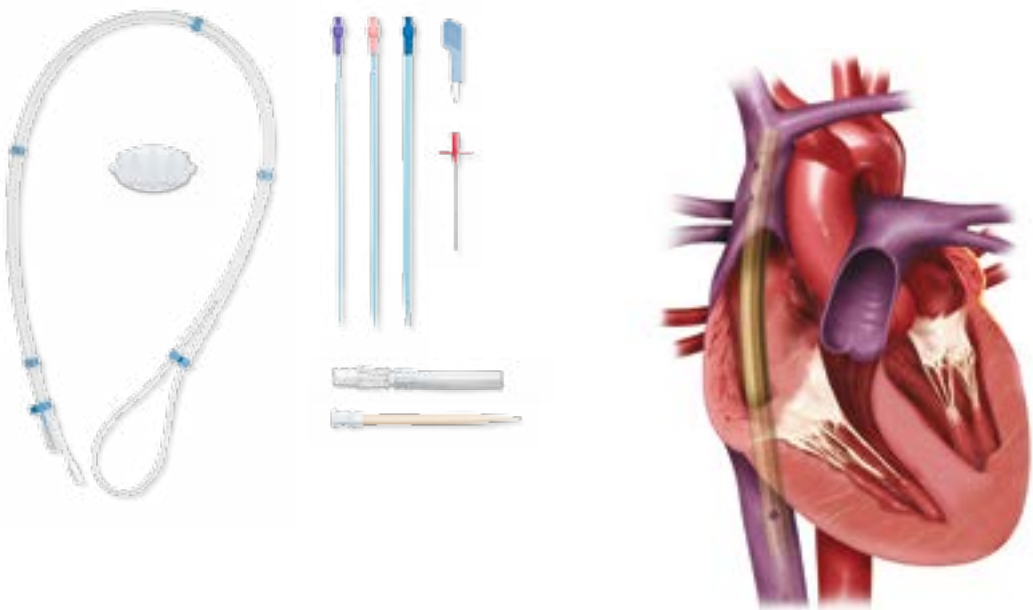
Femoral Cannulae

Bio-Medicus™ NextGen Femoral Bi-caval Venous Cannulae



These cannulae feature a flexible, kink-resistant, thin-wall design that promotes maximum flow rates. The tip design offers an elongated tapered introducer, a reinforced non-step tip transition zone, and smooth side holes. All of these enhancements add up to an easier insertion. Side holes positioned in the SVC and IVC near hepatic veins allow bi-caval drainage and optional isolation of the right atrium. A silicone friction fit cap and non-phthalate PVC introducer provide improved function as well. Each model is standard with a percutaneous-style introducer, a repositionable radiopaque suture ring, and a 3/8 inch connection site.

Cannulae with a kit include:



Bi-caval capability with optimized basket placement

Enables increased venous drainage; ideal for MICS or traditional cases.

Designed to enable right atrium occlusion and access.

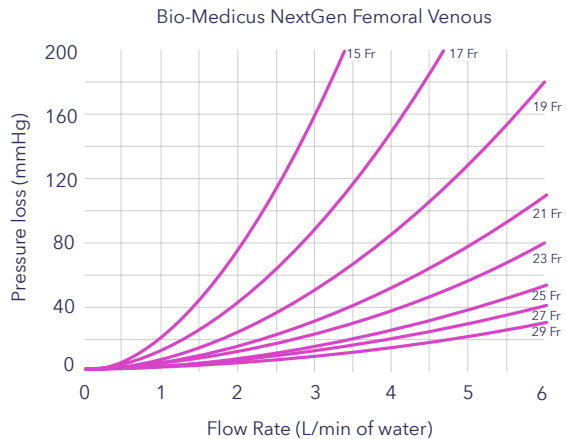
Non-vented 3/8 in (0.95 cm) connector

Cannula Singles	Cannula Kit	French Size	Overall Length	Tip Length
96670-115	96600-115	15 Fr (5.0 mm)	64.8 cm	48.9 cm
96670-117	96600-117	17 Fr (5.7 mm)	64.8 cm	48.9 cm
96670-119	96600-119	19 Fr (6.3 mm)	69.9 cm	54.0 cm
96670-121	96600-121	21 Fr (7.0 mm)	69.9 cm	54.0 cm
96670-123†	96600-123†	23 Fr (7.7 mm)	76.2 cm	60.0 cm
96670-125†	96600-125†	25 Fr (8.3 mm)	76.2 cm	60.0 cm
96670-127†	96600-127†	27 Fr (9.0 mm)	76.2 cm	60.0 cm
96670-129†	96600-129†	29 Fr (9.7 mm)	76.2 cm	60.0 cm

1 per carton

Order your cannulae as single stand-alone units or with a kit included. For cannula singles, an insertion kit should be ordered.

† 1/2 in (1.27 cm) to 3/8 in (0.95 cm) tubing adapter included.



➤ See page 25 for 96551 insertion kit.

Femoral Cannulae

Bio-Medicus™ NextGen Insertion Kits



These adult and pediatric insertion kits provide components for peripheral cannulation via Seldinger technique. Designed for percutaneous or direct visualization insertion, these kits provide the following insertion components as listed below.



Venous

96551	
	• 0.038 in (0.0965 mm) diameter; 180 cm (70.87 in) guidewire • #11 scalpel blade • 10 cc syringe • Stepped vessel dilator, 8 Fr/10 Fr, 12 Fr/14 Fr, and 16 Fr/18 Fr • Seldinger needle, 18 ga (1.02 mm)

5 kits per carton



Pediatric Arterial/Venous

96553	
	• 0.025 in (0.0635 mm) diameter; 60 cm (23.62 in) guidewire • #11 scalpel blade • 10 cc syringe • Stepped vessel dilator, 8 Fr/10 Fr, and 12 Fr/14 Fr • Seldinger needle, 18 ga (1.02 mm)

5 kits per carton



Arterial/Jugular

96552	
	• 0.038 in (0.0965 mm) diameter; 100 cm (39.37 in) guidewire • #11 scalpel blade • 10 cc syringe • Stepped vessel dilator, 8 Fr/10 Fr, 12 Fr/14 Fr, and 16 Fr/18 Fr • Seldinger needle, 18 ga (1.02 mm)

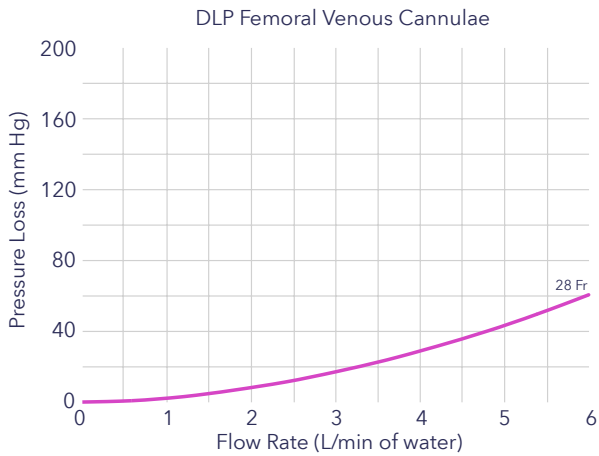
5 kits per carton

Femoral Cannulae

DLP™ Femoral Venous Cannulae



These cannulae feature multiple side holes, depth markings, and tapered tip introducer.



25.5 in (64.8 cm) insertion length
Connection site 3/8 in (0.95 cm) and 0.038 in (0.0965 mm) x 180 cm (70.87 in) guidewire

96328	28 Fr (9.3 mm)
Non-vented 3/8 in (0.95 cm) connector and 0.038 in (0.0965 cm) x 180 cm (70.87 in) guidewire	
96428	28 Fr (9.3 mm)
4 per carton	



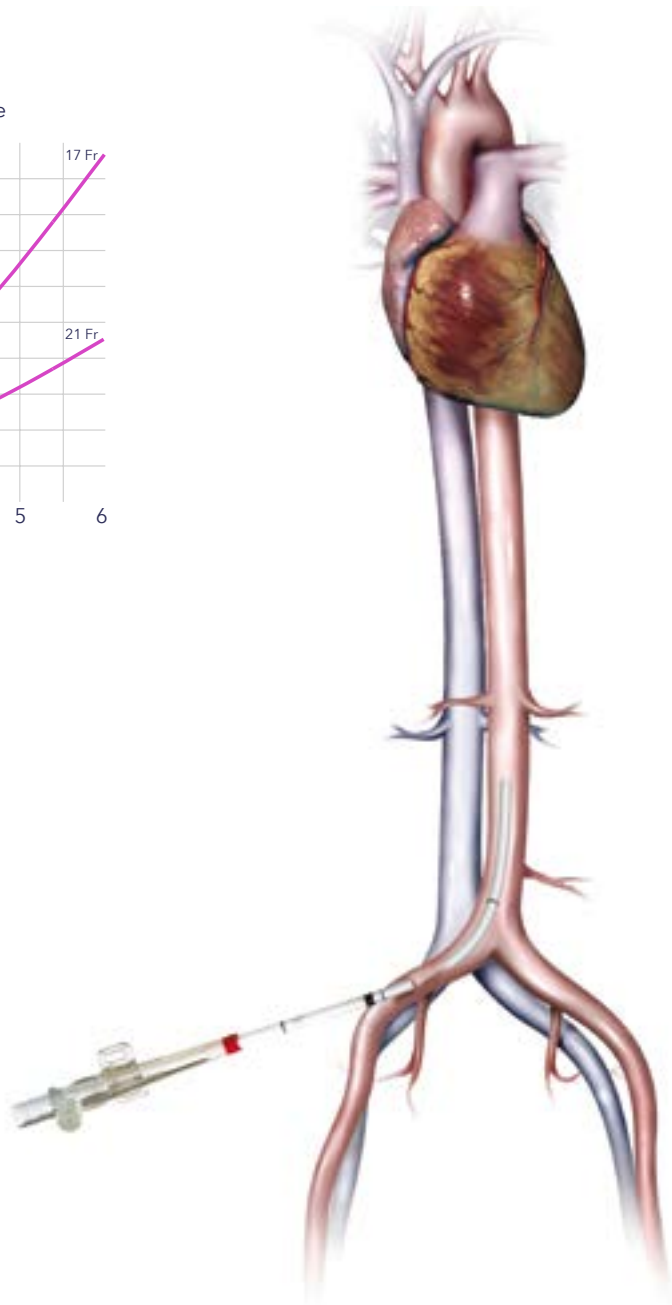
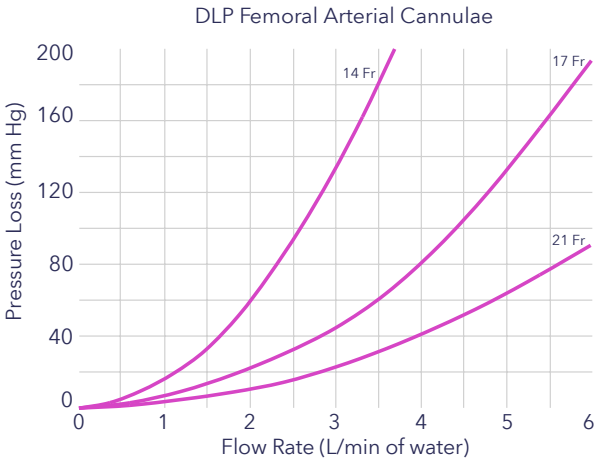
96328

Femoral Cannulae

DLP™ Femoral Arterial Cannulae



These cannulae feature multiple side holes, depth markings, and tapered tip introducer for placement over a 0.038 in (0.0965 cm) guidewire (**not included**).



7 in (17.8 cm) insertion length
Vented 3/8 in (0.95 cm) connector

57414	14 Fr (4.7 mm)
57417	17 Fr (5.7 mm)
57421	21 Fr (7.0 mm)

4 per carton



Extracorporeal circuit

Venous cannulae



Venous cannulae are designed to provide optimal venous drainage while providing flexibility and ease of use. We offer a variety of single stage venous cannulae with kink-resistant, wirewound bodies in sizes from 12 Fr to 40 Fr. These cannulae are offered in both straight and right angle with multiport tips and the option for a thin-wall metal tip design. Our product breadth ensures the availability of a cannula to meet your specific needs.

Venous cannulae



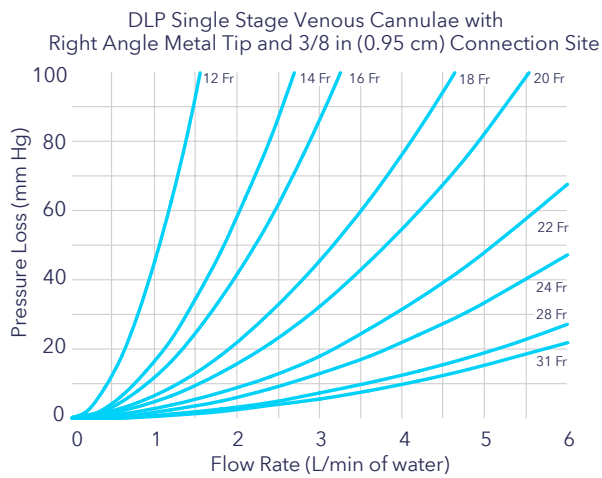
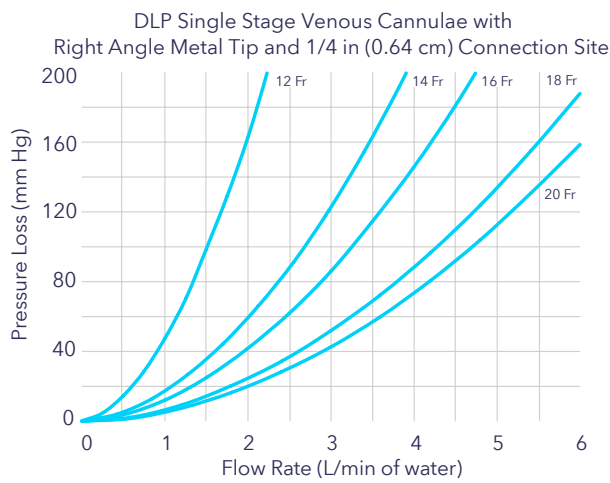
▶ DLP™ Single Stage with Right Angle Metal Tip	30
▶ DLP™ Single Stage	31
▶ DLP™ Single Stage with right angle	32
▶ DLP™ Malleable Single Stage	33
▶ VC2™	34
▶ MC2™ Two Stage	35
▶ MC2X™ Three Stage	36

Venous Cannulae

DLP™ Single Stage Venous Cannulae with Right Angle Metal Tip



These pediatric and adult cannulae feature beveled metal, multiport tips, and kink-resistant wirewound bodies with a tip orientation line. This construction allows for high flow rates with minimal pressure differential.



* Also available with Cortiva™ BioActive Surface.



**14 in (35.6 cm)
overall length**

Connection site 1/4 in (0.64 cm)

67312*	12 Fr (4.0 mm)
67314*	14 Fr (4.7 mm)
67316*	16 Fr (5.3 mm)
67318*	18 Fr (6.0 mm)
67320*	20 Fr (6.7 mm)

Connection site 3/8 in (0.95 cm)

69312	12 Fr (4.0 mm)
69314	14 Fr (4.7 mm)
69316	16 Fr (5.3 mm)
69318	18 Fr (6.0 mm)
69320*	20 Fr (6.7 mm)
69322	22 Fr (7.3 mm)
69324*	24 Fr (8.0 mm)
69328*	28 Fr (9.3 mm)
69331	31 Fr (10.3 mm)

10 per carton



**14 in (35.6 cm)
overall length**

Extended tip

Connection site 3/8 in (0.95 cm)

69428	28 Fr (9.3 mm)
69431	31 Fr (10.3 mm)

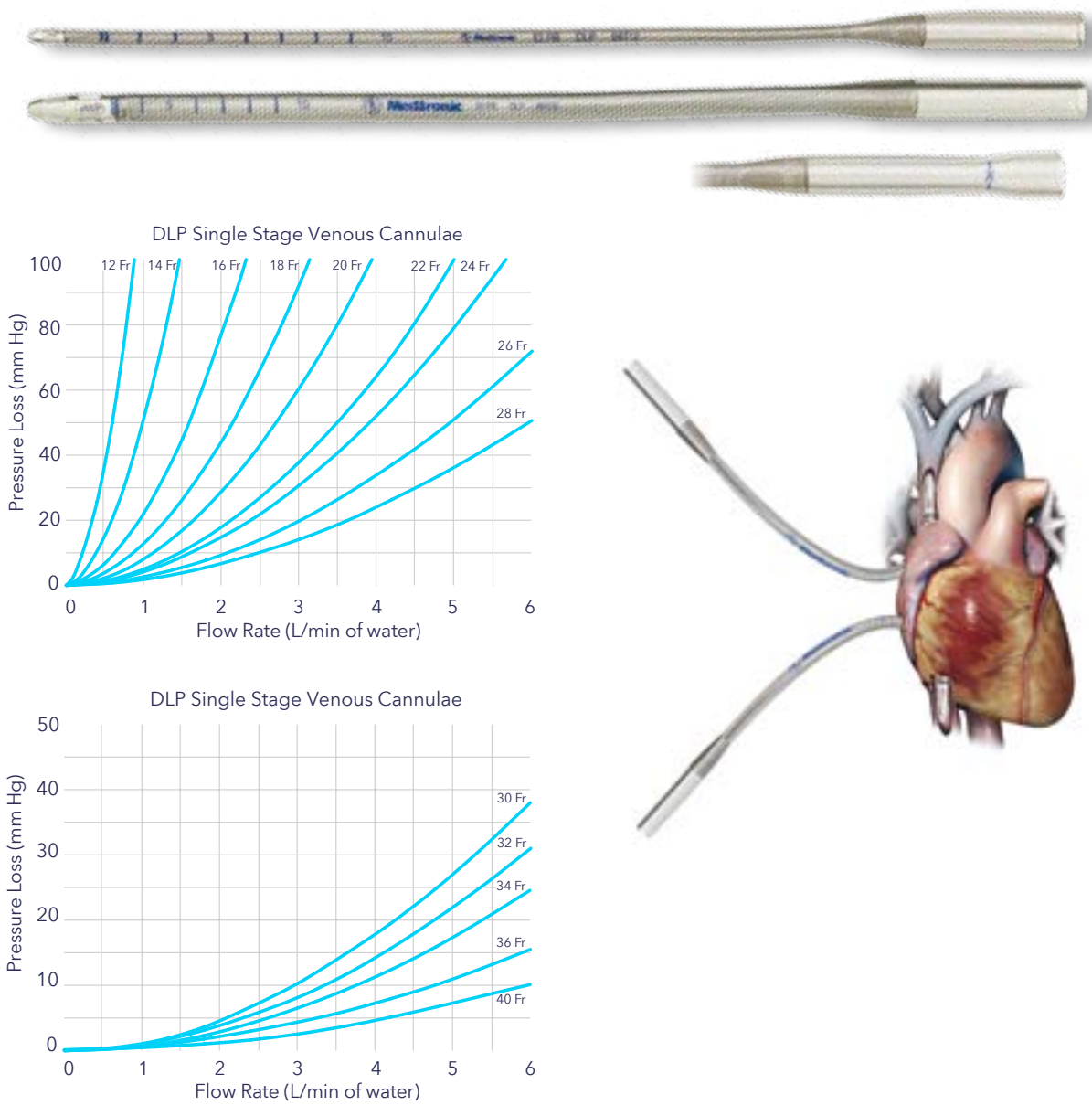
10 per carton

Venous Cannulae

DLP™ Single Stage Venous Cannulae



These pediatric and adult cannulae feature tapered, multiport tips and one-piece, kink-resistant wirewound bodies with depth markings.



12-16 in (30.5-40.6 cm) overall length

Connection site 1/4 in (0.64 cm)

66112*	12 Fr (4.0 mm)
66114*	14 Fr (4.7 mm)
66116*	16 Fr (5.3 mm)

Connection site 1/4 in-3/8 in (0.64-0.95 cm)

66118*	18 Fr (6.0 mm)
66120*	20 Fr (6.7 mm)
66122	22 Fr (7.3 mm)
66124*	24 Fr (8.0 mm)

Connection site 3/8 in (0.95 cm)

66126	26 Fr (8.7 mm)
66128*	28 Fr (9.3 mm)
66130	30 Fr (10.0 mm)
66132*	32 Fr (10.7 mm)
66134	34 Fr (11.3 mm)
66236*	36 Fr (12.0 mm)

Connection site 1/2 in (1.27 cm)

66136	36 Fr (12.0 mm)
66140	40 Fr (13.3 mm)

10 per carton

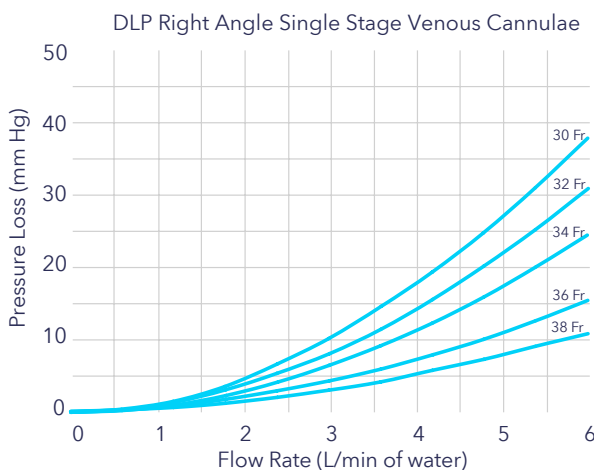
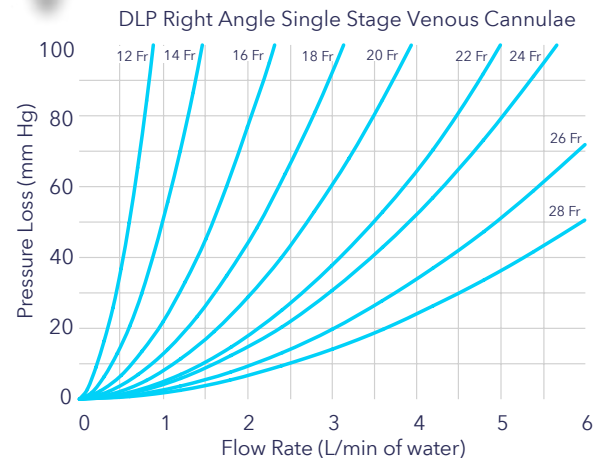
* Also available with Cortiva™ BioActive Surface.

Venous Cannulae

DLP™ Single Stage Venous Cannulae with right angle



These pediatric and adult cannulae feature tapered, multiport tips and one-piece, kink-resistant wirewound bodies with depth markings.



* Also available with Cortiva™ BioActive Surface.

12-15 in (30.5-38.1 cm) overall length

Connection site 1/4 in (0.64 cm)

67512	12 Fr (4.0 mm)
67514	14 Fr (4.7 mm)
67516	16 Fr (5.3 mm)

Connection site 1/4 in-3/8 in (0.64-0.95 cm)

67518	18 Fr (6.0 mm)
67520*	20 Fr (6.7 mm)
67522	22 Fr (7.3 mm)
67524*	24 Fr (8.0 mm)

Connection site 3/8 in (0.95 cm)

67526	26 Fr (8.7 mm)
67528*	28 Fr (9.3 mm)
67530*	30 Fr (10.0 mm)
67532*	32 Fr (10.7 mm)
67534*	34 Fr (11.3 mm)
67636*	36 Fr (12.0 mm)
67638	38 Fr (12.7 mm)

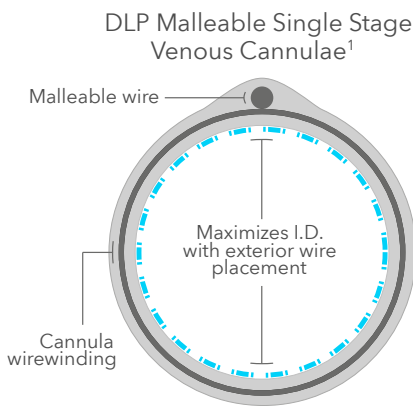
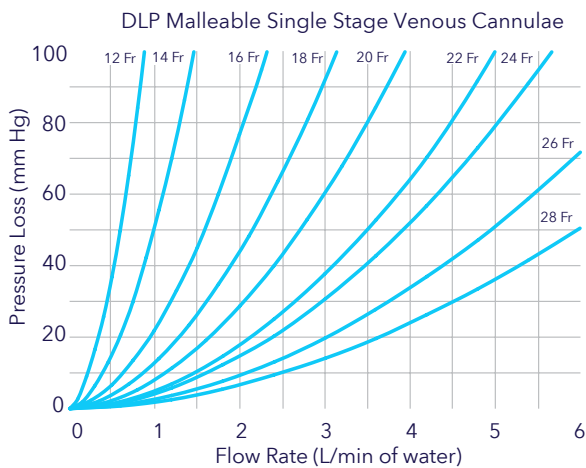
10 per carton

Venous Cannulae

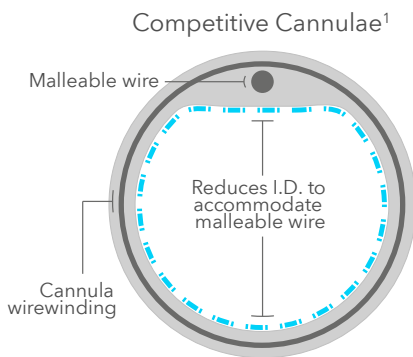
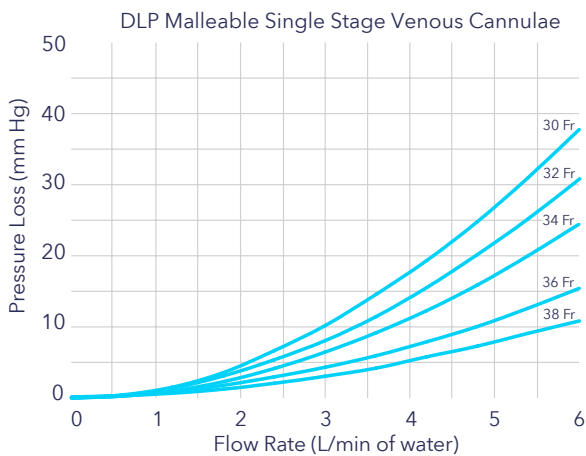
DLP™ Malleable Single Stage Venous Cannulae



These pediatric and adult cannulae feature multiport tips and malleable, one-piece, kink-resistant wirewound bodies with depth markings. This construction allows the surgeon to shape the cannulae. An integrated malleable wire outside the wirewinding optimizes the inner diameter (I.D.) for maximum flow performance.



Models 68124, 24 Fr, and 68130, 30 Fr



Edwards™ Malleable Single Stage Venous Cannula, Model TFM024L, 24 Fr
¹2013 Medtronic data on file.

* Also available with Cortiva™ BioActive Surface.

12-15 in (30.5-38.1 cm) overall length

Connection site 1/4 in (0.64 cm)

68112*	12 Fr (4.0 mm)
68114*	14 Fr (4.7 mm)
68116*	16 Fr (5.3 mm)

Connection site 1/4 in-3/8 in (0.64-0.95 cm)

68118*	18 Fr (6.0 mm)
68120*	20 Fr (6.7 mm)
68122	22 Fr (7.3 mm)
68124*	24 Fr (8.0 mm)

Connection site 3/8 in (0.95 cm)

68126	26 Fr (8.7 mm)
68128*	28 Fr (9.3 mm)
68130	30 Fr (10.0 mm)
68132*	32 Fr (10.7 mm)
68134	34 Fr (11.3 mm)

Connection site 1/2 in (1.27 cm)

68136*	36 Fr (12.0 mm)
68138	38 Fr (12.7 mm)

10 per carton



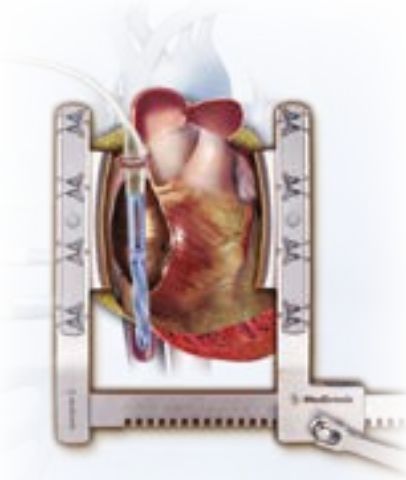
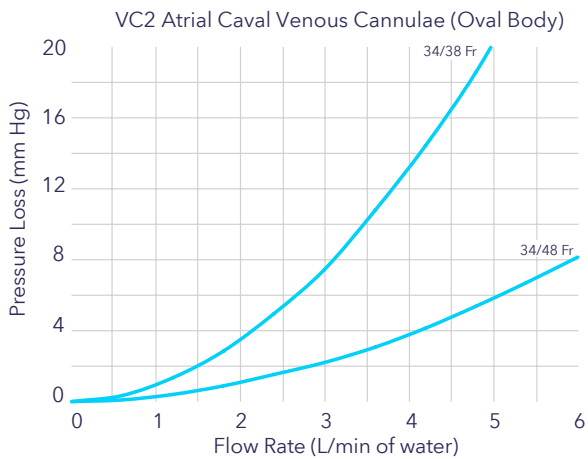
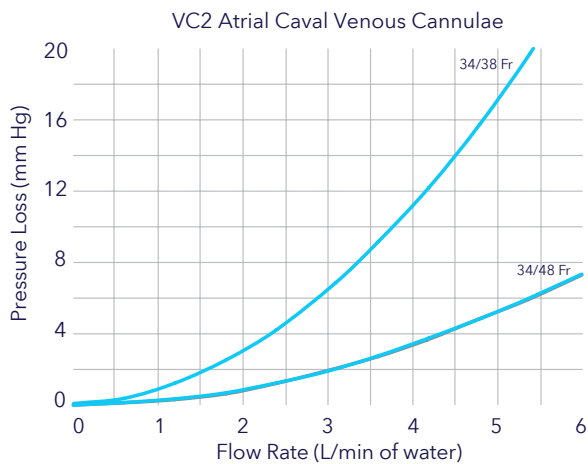
The malleable single stage venous cannulae allow the surgeon to manipulate the cannula shape into virtually any position.

Venous Cannulae

VC2™ Venous Cannulae



These cannulae offer swirl tips with slotted atrial baskets and kink-resistant, wirewound bodies that feature depth markings. The oval body presents a lower profile in the surgical field.



15 in (38.1 cm) overall length

Wirewound body Connection site 3/8 in (0.95 cm)	
93438	34/38 Fr (11.3/12.7 mm)

Wirewound body Connection site 1/2 in (1.27 cm)	
93448	34/48 Fr (11.3/16.0 mm)

Wirewound body, non-vented 1/2 in (1.27 cm) connector	
93438C*	34/38 Fr (11.3/12.7 mm)
93448C	34/48 Fr (11.3/16.0 mm)

Oval wirewound body Connection site 3/8 in (0.95 cm)	
93463	34/38 Fr (11.3/12.7 mm)

Oval wirewound body Connection site 1/2 in (1.27 cm)	
93464	34/48 Fr (11.3/16.0 mm)

Oval wirewound body, non-vented 1/2 in (1.27 cm) connector	
93463C	34/38 Fr (11.3/12.7 mm)
93464C	34/48 Fr (11.3/16.0 mm)

10 per carton

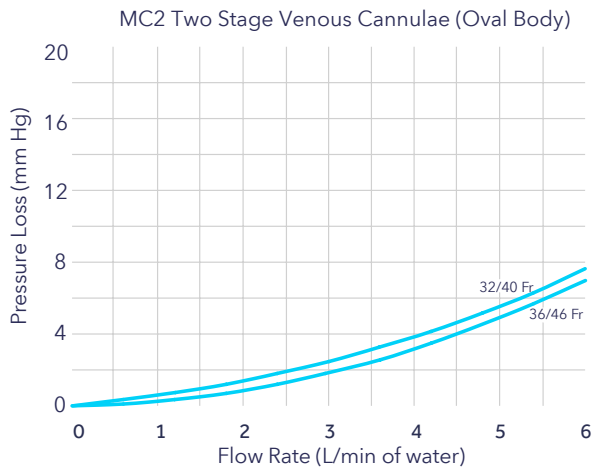
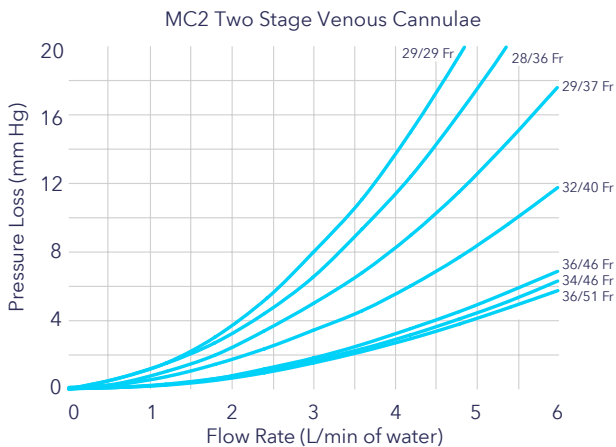
* Also available with Cortiva™ BioActive Surface.

Venous Cannulae

MC2™ Two Stage Venous Cannulae



These cannulae feature multiport tips with atrial baskets and kink-resistant, wirewound bodies with depth markings. The oval body presents a lower profile in the surgical field.



* Also available with Cortiva™ BioActive Surface.

15 in (38.1 cm) overall length

Connection site 3/8 in (0.95 cm)

91228*	28/36 Fr (9.3/12.0 mm)
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Connection site 1/2 in (1.27 cm)

91236	36/46 Fr (12.0/15.3 mm)
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91240*	32/40 Fr (10.7/13.3 mm)
--------	-------------------------

91246*	34/46 Fr (11.3/15.3 mm)
--------	-------------------------

91251	36/51 Fr (12.0/17.0 mm)
-------	-------------------------

Non-vented 1/2 in (1.27 cm) connector

91228C*	28/36 Fr (9.3/12.0 mm)
---------	------------------------

91236C*	36/46 Fr (12.0/15.3 mm)
---------	-------------------------

91240C*	32/40 Fr (10.7/13.3 mm)
---------	-------------------------

91246C*	34/46 Fr (11.3/15.3 mm)
---------	-------------------------

91251C	36/51 Fr (12.0/17.0 mm)
--------	-------------------------

10 per carton

15 in (38.1 cm) overall length

Reduced stage body Connection site 1/2 in (1.27 cm)

91229	29/37 Fr (9.7/12.3 mm)
-------	------------------------

Non-vented 1/2 in (1.27 cm) connector

91229C	29/37 Fr (9.7/12.3 mm)
--------	------------------------

Thin-wall body Connection site 3/8 in (0.95 cm)

91329*	29/29 Fr (9.7/9.7 mm)
--------	-----------------------

Non-vented 3/8 in (0.95 cm) connector

91329C*	29/29 Fr (9.7/9.7 mm)
---------	-----------------------

Oval body Connection site 1/2 in (1.27 cm)

91263*	32/40 Fr (10.7/13.3 mm)
--------	-------------------------

91265*	36/46 Fr (12.0/15.3 mm)
--------	-------------------------

Oval body Non-vented 1/2 in (1.27 cm) connector

91263C*	32/40 Fr (10.7/13.3 mm)
---------	-------------------------

91265C*	36/46 Fr (12.0/15.3 mm)
---------	-------------------------

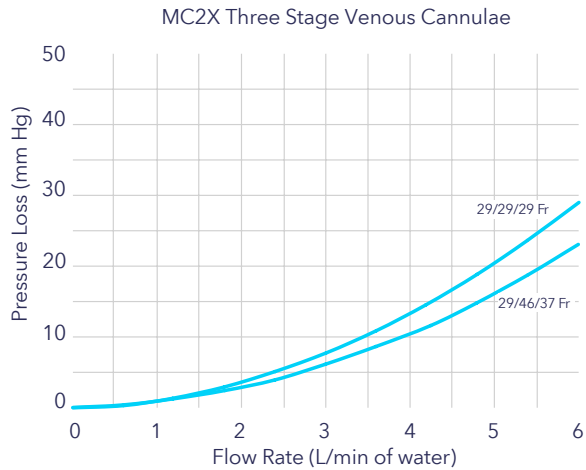
10 per carton

Venous Cannulae

MC2X™ Three Stage Venous Cannulae



These cannulae feature a thin-wall design that provides minimal pressure differential for use with vacuum or kinetically assisted venous drainage.



MC2X has a 31% thinner wall for a larger inner diameter when compared to competitive cannula²



Larger end hole of the MC2X allows for better flow opportunity³
^{2,3} 2013 Medtronic data on file.

15 in (38.1 cm) overall length

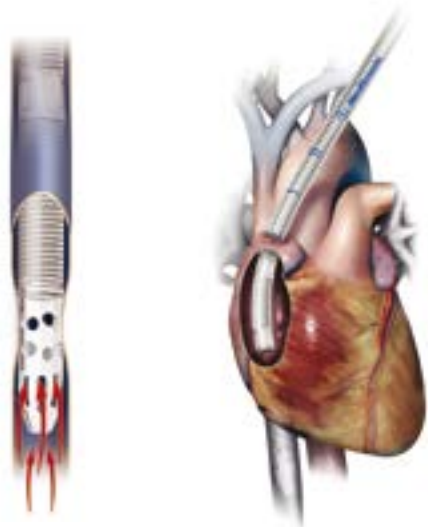
Connection site 3/8 in (0.95 cm)

91429* 29/29/29 Fr (9.7/9.7/9.7 mm)

Non-vented
3/8 in (0.95 cm) connector

91429C* 29/29/29 Fr (9.7/9.7/9.7 mm)

10 per carton



15.5 in (39 cm) overall length

Connection site 3/8 in (0.95 cm)

91437 29/46/37 Fr (9.7/15.3/12.3 mm)

Non-vented
3/8 in (0.95 cm) connector

91437C 29/46/37 Fr (9.7/15.3/12.3 mm)

10 per carton



* Also available with Cortiva™ BioActive Surface.

Cardioplegia circuit

Antegrade cannulae



Antegrade cannulae are designed to deliver cardioplegia solution to the heart via the arteries in the normal direction of blood flow (antegrade perfusion). Aortic root cannulae are intended to either aspirate air from the aorta or infuse cardioplegia solution directly into the aortic root near the aortic valve. We offer adult and pediatric aortic root cannulae in varying lengths to accommodate various techniques and patient anatomies. Our product breadth ensures the availability of a cannula to meet your specific needs.

Antegrade cannulae



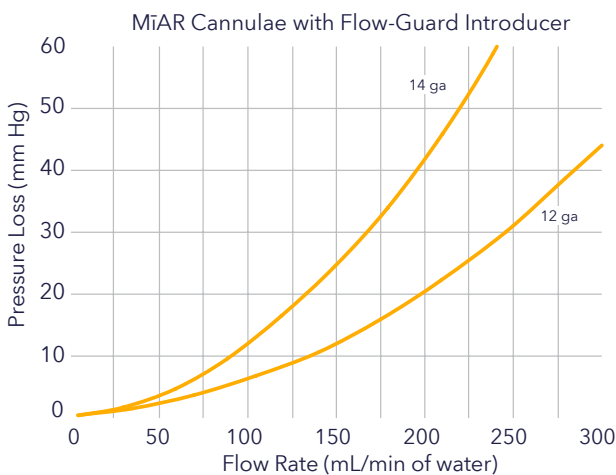
- ▶ MīAR™ Aortic Root with Flow-Guard 39
- ▶ DLP™ Dual Lumen Cardioplegia 40
- ▶ DLP™ Aortic Root 41
- ▶ DLP™ Aortic Root with Vent Line 42
- ▶ DLP™ Cardioplegia Needles 43
- ▶ DLP™ Coronary Ostial Perfusion 44

Antegrade Cannulae

MiAR™ Aortic Root Cannulae with Flow-Guard



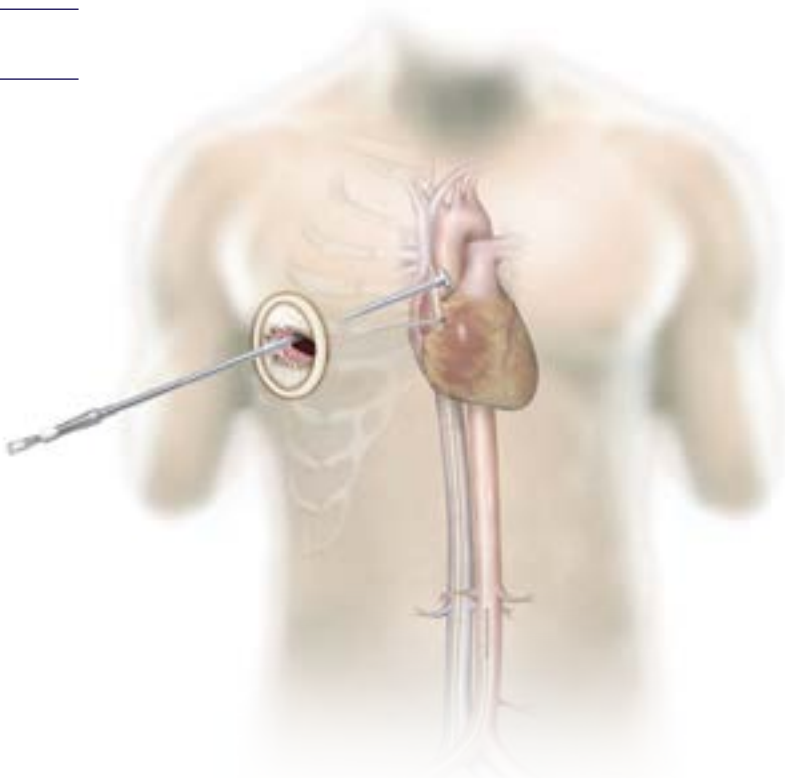
These Minimally Invasive Aortic Root (MiAR) models feature a 12.25 in (31 cm) cannula body to allow access into the chest for small incision techniques. This length also allows positioning of the luer connection to the cardioplegia line out of the surgeon's way, outside the chest incision. Additionally, these MiAR models include the Flow-Guard™ feature to maintain hemostasis during removal of the needle from the cannula.



**12.25 in (31 cm)
overall length**
**Flanged standard tip and
Flow-Guard introducer**

11012L	12 ga (9 Fr)
11014L	14 ga (7 Fr)

10 per carton



Antegrade Cannulae

DLP™ Dual Lumen Cardioplegia Cannulae



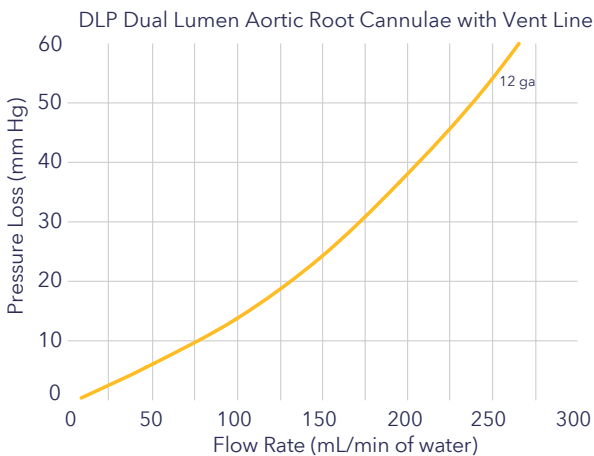
The dual lumen cannula features a tip attached to a clear body with a separate vent line. Additional features include left heart venting and simultaneous cardioplegia delivery and aspiration. Each cannula is supplied with a stainless steel introducer needle.

3.25 in (8.3 cm)
overall length

Standard tip

30401	12 ga (9 Fr)
--------------	--------------

10 per carton



Dual Lumen Aortic Root
Application Detail

Important Safety Information

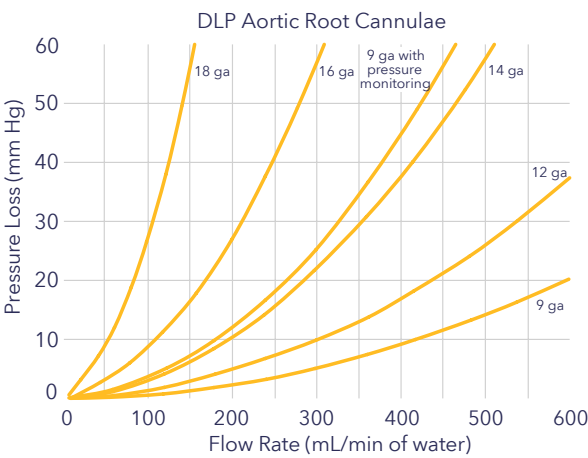
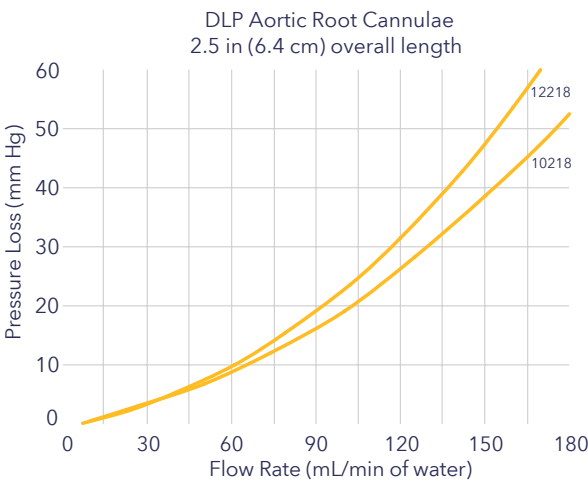
Care should be taken when inserting the needle to prevent perforation of the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgery procedures. Additional care and caution may be necessary due to the unique adaptations required for minimally invasive techniques.

Antegrade Cannulae

DLP™ Aortic Root Cannulae



These pediatric and adult cannulae feature radiopaque tips attached to clear PVC bodies. Additional features available with these cannulae include aortic root pressure monitoring and left heart venting. All cannulae are supplied with a stainless steel introducer needle. All DLP Aortic Root Cannulae can be used to aspirate air emboli as well as administer cardioplegia.



Flow-Guard™ Introducer

2.5 in (6.4 cm) overall length

Flanged standard tip and standard introducer

10218	18 ga (4 Fr) white tip and clear flange
12218	18 ga (4 Fr) blue one-piece tip and flange

20 per carton



5.75 in (14.6 cm) overall length

Slotted long tip and standard introducer

10112	12 ga (9 Fr)
10114	14 ga (7 Fr)

20 per carton



5.5 in (14.0 cm) overall length

Flanged standard tip and standard introducer

10009	9 ga (11 Fr)
10012*	12 ga (9 Fr)
10014	14 ga (7 Fr)
10016	16 ga (5 Fr)
10018	18 ga (4 Fr)

Flanged standard tip and Flow-Guard introducer

11012	12 ga (9 Fr)
11014	14 ga (7 Fr)

20 per carton

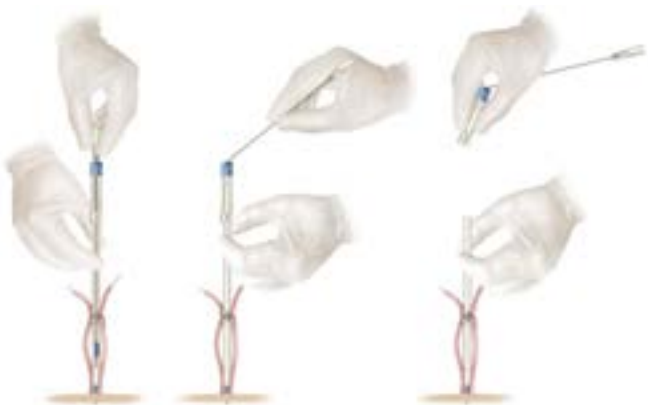


5.25 in (13.3 cm) overall length

Flanged pressure monitoring tip and standard introducer

23009	9 ga (11 Fr)
-------	--------------

20 per carton



Flow-Guard Introducer Application Detail

* Also available with Cortiva™ BioActive Surface.

Important Safety Information

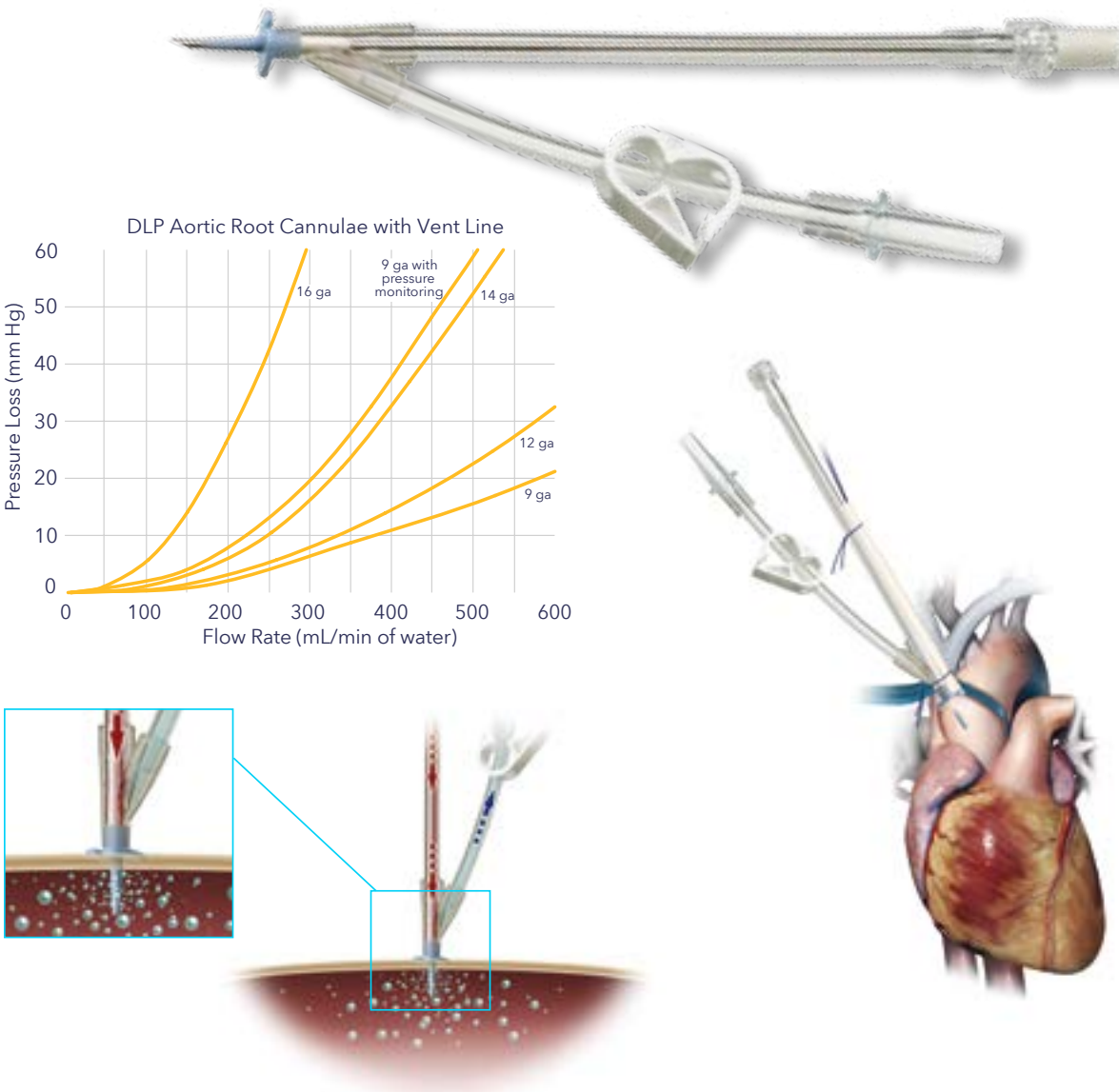
Care should be taken when inserting the needle to prevent perforation of the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgery procedures. Additional care and caution may be necessary due to the unique adaptations required for minimally invasive techniques.

Antegrade Cannulae

DLP™ Aortic Root Cannulae with Vent Line



These cannulae feature radiopaque tips attached to clear bodies with separate vent lines. Additional features available with these cannulae include aortic root pressure monitoring and left heart venting. All cannulae are supplied with a stainless steel introducer needle.



* Also available with Cortiva™ BioActive Surface.

5.5 in (14.0 cm) overall length

Flanged standard tip and standard introducer

20009	9 ga (11 Fr)
20012*	12 ga (9 Fr)
20012S	12 ga (9 Fr) with two clamps
20014	14 ga (7 Fr)
20014L	14 ga (7 Fr), 8 in (20.3 cm) vent line
20016	16 ga (5 Fr)

Flanged standard tip and Flow-Guard™ introducer

21012	12 ga (9 Fr)
21014	14 ga (7 Fr)

20 per carton

5.75 in (14.6 cm) overall length

Slotted long tip and standard introducer

20112	12 ga (9 Fr)
20114	14 ga (7 Fr)

20 per carton

5.75 in (14.6 cm) overall length

Flanged long tip and standard introducer

20114WF	14 ga (7 Fr)
20114HWF	14 ga (7 Fr) with side holes

20 per carton

5.25 in (13.3 cm) overall length

Flanged pressure monitor- ing tip and standard introducer

24009	9 ga (11 Fr)
-------	--------------

20 per carton

Important Safety Information

Care should be taken when inserting the needle to prevent perforation of the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgery procedures. Additional care and caution may be necessary due to the unique adaptations required for minimally invasive techniques.

Antegrade Cannulae

DLP™ Cardioplegia Needles

These needles feature stainless steel tips with a plastic depth stop. These needles are attached to flexible tubing with drape clamp and female luer.



Pediatric

6.5 in (16.5 cm) overall length

Tip length 1/4 in (0.64 cm) with hub stop

11316	16 ga (5 Fr)
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20 per carton

Adult

10 in (25.4 cm) overall length

Tip length 5/8 in (1.59 cm)
with 4 side holes and flange stop

10313	13 ga (8 Fr)
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20 per carton

Antegrade Cannulae

DLP™ Coronary Ostial Perfusion Cannulae



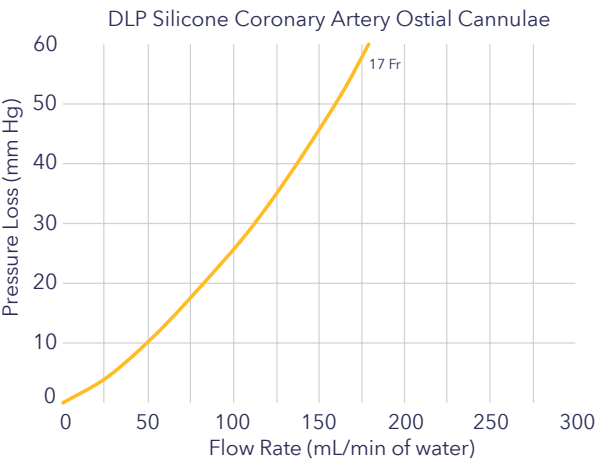
These cannulae feature silicone bodies with soft bulb-shaped tips. All cannulae have a female luer connection site.



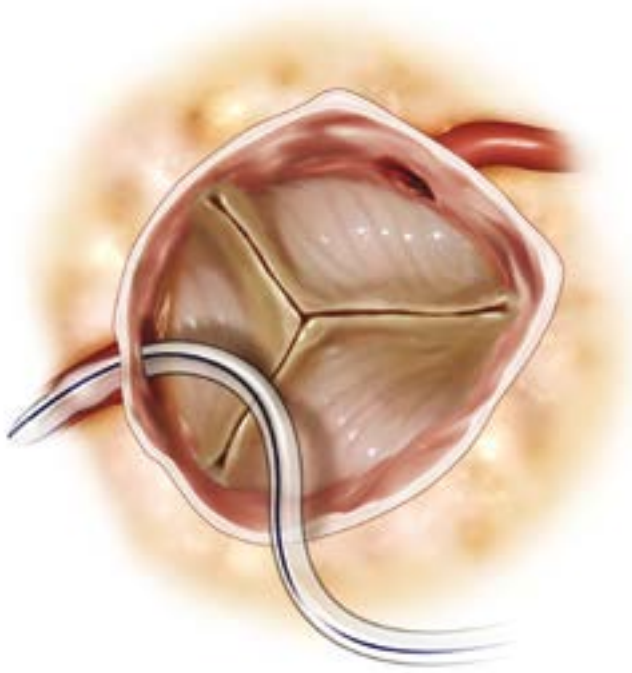
10 in (25.4 cm) overall length

30315	15 Fr (5.0 mm) bulb
30317	17 Fr (5.7 mm) bulb
30320	20 Fr (6.7 mm) bulb

10 per carton



Intracoronary cardioplegia

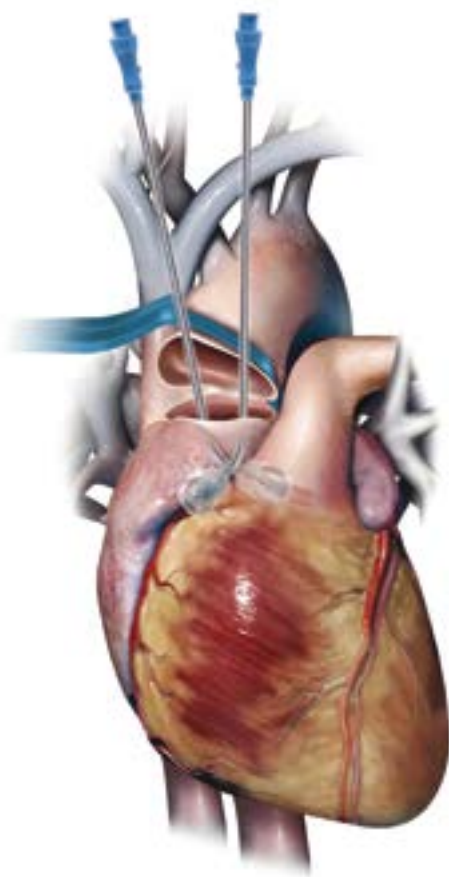
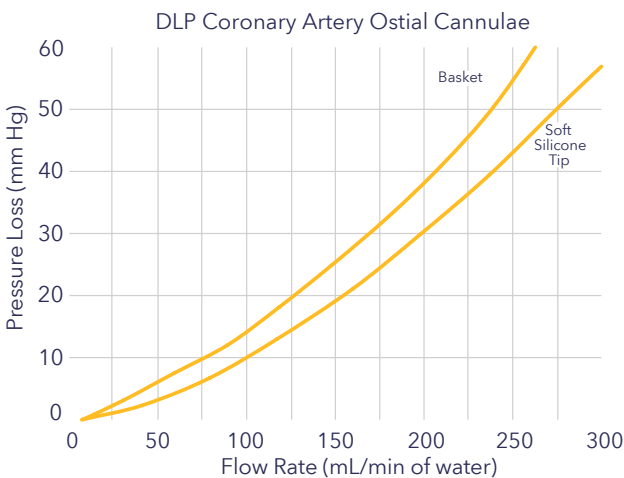


Antegrade Cannulae

DLP™ Coronary Ostial Perfusion Cannulae



These cannulae feature flanged, radiopaque basket tips or soft tips attached to malleable stainless steel shafts. All cannulae have a female luer connection site.



**6 in (15.2 cm)
overall length**

Basket tip

30010	10 Fr (3.3 mm)
30012	12 Fr (4.0 mm)
30014	14 Fr (4.7 mm)

20 per carton



**6 in (15.2 cm)
overall length**

Soft, concave tip

30050

10 per carton



**6 in (15.2 cm)
overall length**

Soft, convex tip

30055

10 per carton

Important Safety Information

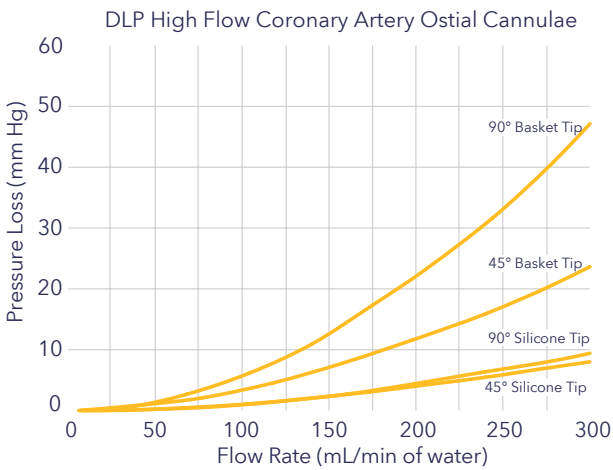
Care should be taken when inserting the needle to prevent perforation of the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgery procedures. Additional care and caution may be necessary due to the unique adaptations required for minimally invasive techniques.

Antegrade Cannulae

DLP™ Coronary Ostial Perfusion Cannulae



These high flow cannulae feature flanged, radiopaque basket tips or soft silicone tips attached to large-bore, malleable stainless steel shafts. All cannulae have a female luer connection site.



Ostial antegrade cardioplegia



**7.5 in (19.1 cm)
overall length**

90° angle basket tip

30110	10 Fr (3.3 mm)
--------------	----------------

30112	12 Fr (4.0 mm)
--------------	----------------

30114	14 Fr (4.7 mm)
--------------	----------------

10 per carton



**7.5 in (19.1 cm)
overall length**

45° angle basket tip

30212	12 Fr (4.0 mm)
--------------	----------------

10 per carton



**7.5 in (19.1 cm)
overall length**

90° angle soft silicone tip

30155	10 Fr (3.3 mm)
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10 per carton



**7.5 in (19.1 cm)
overall length**

45° angle soft silicone tip

30255	10 Fr (3.3 mm)
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10 per carton

Important Safety Information

Care should be taken when inserting the needle to prevent perforation of the back wall of the aorta. Care and caution should be taken to avoid damage to vessels and cardiac tissue during cannulation or other cardiac surgery procedures. Additional care and caution may be necessary due to the unique adaptations required for minimally invasive techniques.

Cardioplegia circuit

Retrograde cannulae



Retrograde cannulae are designed to deliver cardioplegia solution to the heart via the coronary sinus in the reverse direction of normal blood flow (retrograde perfusion). We offer the retrograde cannulae in pediatric and adult sizes. The pediatric cannulae are offered with silicone bodies, with or without a guidewire stylet, and a manual-inflate cuff. Adult models are offered with a silicone or PVC body, a solid or guidewire stylet with a variety of handle options, and an auto- or manual-inflate cuff. Silicone bodies ensure product malleability under cold cardioplegia temperatures. The purpose of the cuff is to occlude the opening of the coronary sinus, forcing cardioplegia flow to the coronary vessel bed of the heart. Manual-inflate models require the clinician to inflate the cuff prior to delivering cardioplegia. Our product breadth ensures the availability of a cannula to meet your specific needs.

Retrograde cannulae



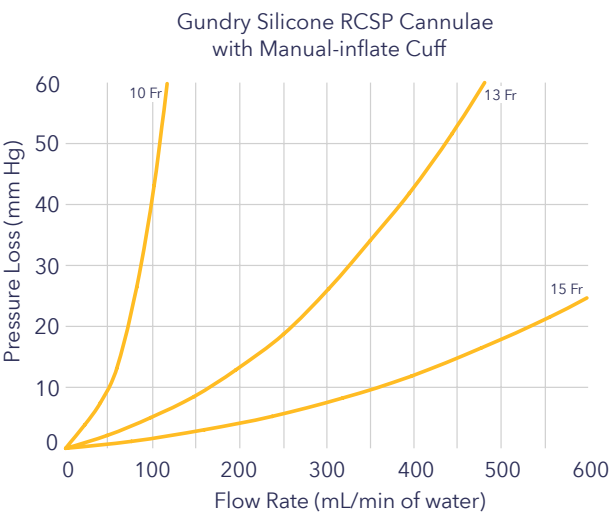
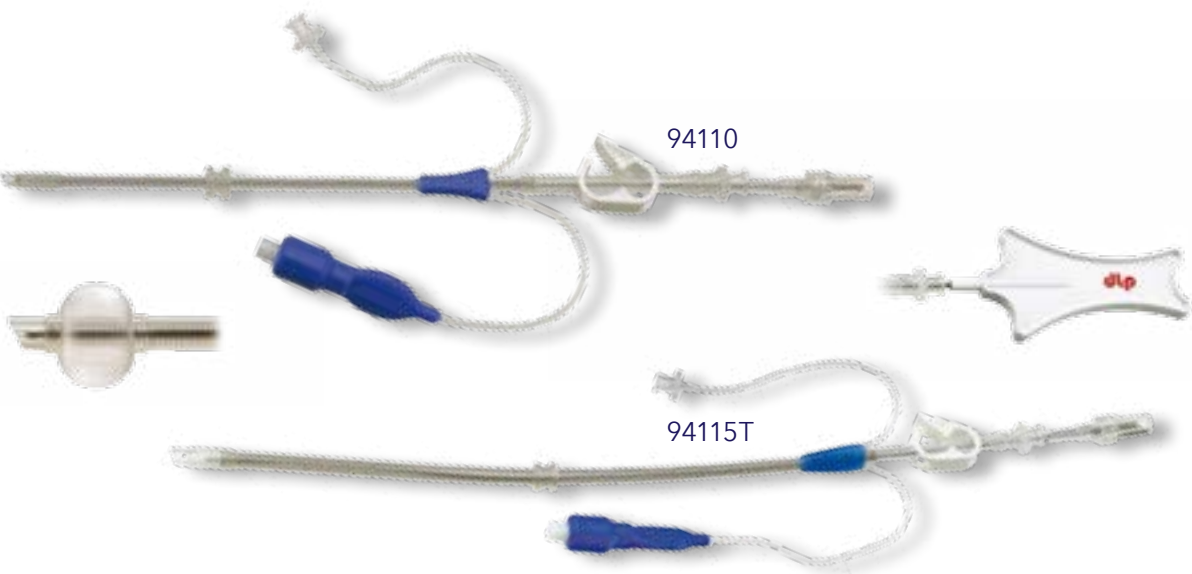
- ▶ Gundry™ Retrograde Coronary Sinus Perfusion
with Manual-Inflate Cuff 49
- ▶ DLP™ Retrograde Coronary Sinus Perfusion
with Manual-Inflate Cuff 50
- ▶ DLP™ Retrograde Coronary Sinus Perfusion
with Auto-Inflate Cuff 52

Retrograde Cannulae

Gundry™ Retrograde Coronary Sinus Perfusion Cannulae with Manual-Inflate Cuff



These pediatric and adult cannulae feature silicone bodies and manual-inflate cuffs with pressure monitoring lines. All cannulae have a guidewire stylet and either a male luer handle or a Tru-Touch™ handle. All cannulae come with a syringe for cuff inflation.



9 in (22.9 cm) overall length

12.5 in (31.8 cm) overall length

Smooth cuff and wirewound body	
94110	10 Fr (3.3 mm) guidewire styletw
4 per carton	

Smooth cuff and wirewound body	
94115T	15 Fr (5.0 mm) guidewire stylet
10 per carton	

12.5 in (31.8 cm) overall length

Smooth cuff, wirewound body, and integral stopcock

94113T	13 Fr (4.3 mm) guidewire stylet
10 per carton	
94615	15 Fr (5.0 mm) guidewire stylet
4 per carton	
94715	15 Fr (5.0 mm) guidewire stylet with Tru-Touch handle
10 per carton	

Retrograde Cannulae

DLP™ Retrograde Coronary Sinus Perfusion Cannulae with Manual-Inflate Cuff



These pediatric and adult cannulae feature silicone bodies and manual-inflate cuffs with pressure monitoring lines. All cannulae come with a smooth cuff and a syringe for cuff inflation.



9.5 in (24.1 cm) overall length

Smooth cuff, non-wirewound body, and integral stopcock

94006	6 Fr (2.0 mm) no stylet
94106	6 Fr (2.0 mm) guidewire stylet

4 per carton

12.5 in (31.8 cm) overall length

Smooth cuff and wirewound body

94215T	15 Fr (5.0 mm) solid stylet
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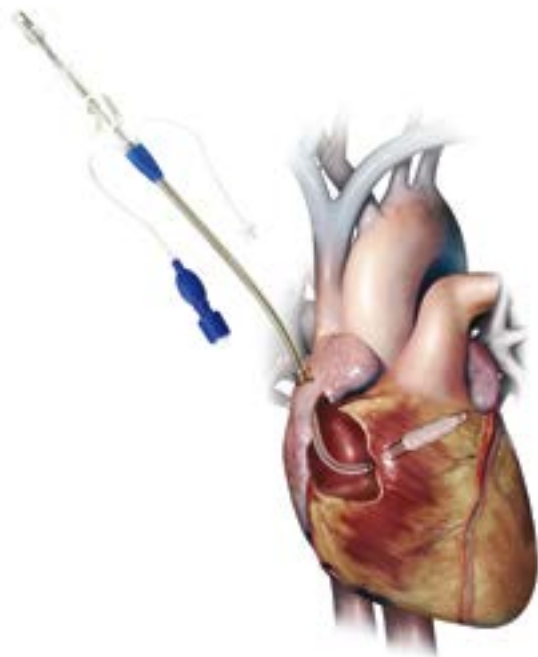
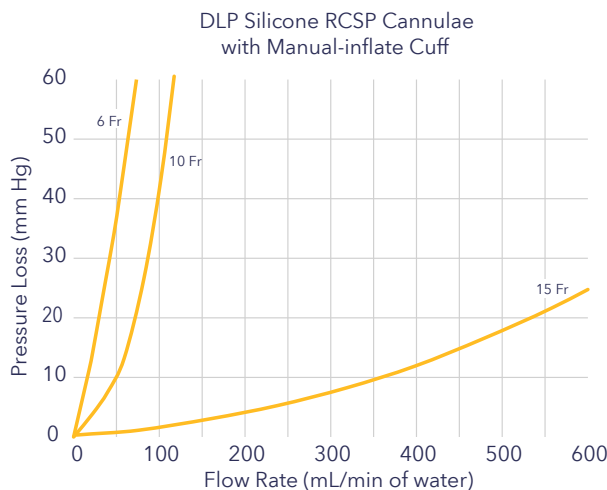
10 per carton

12.5 in (31.8 cm) overall length

Smooth cuff, wirewound body, and integral stopcock

94725	15 Fr (5.0 mm) solid stylet with Tru-Touch™ handle
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10 per carton

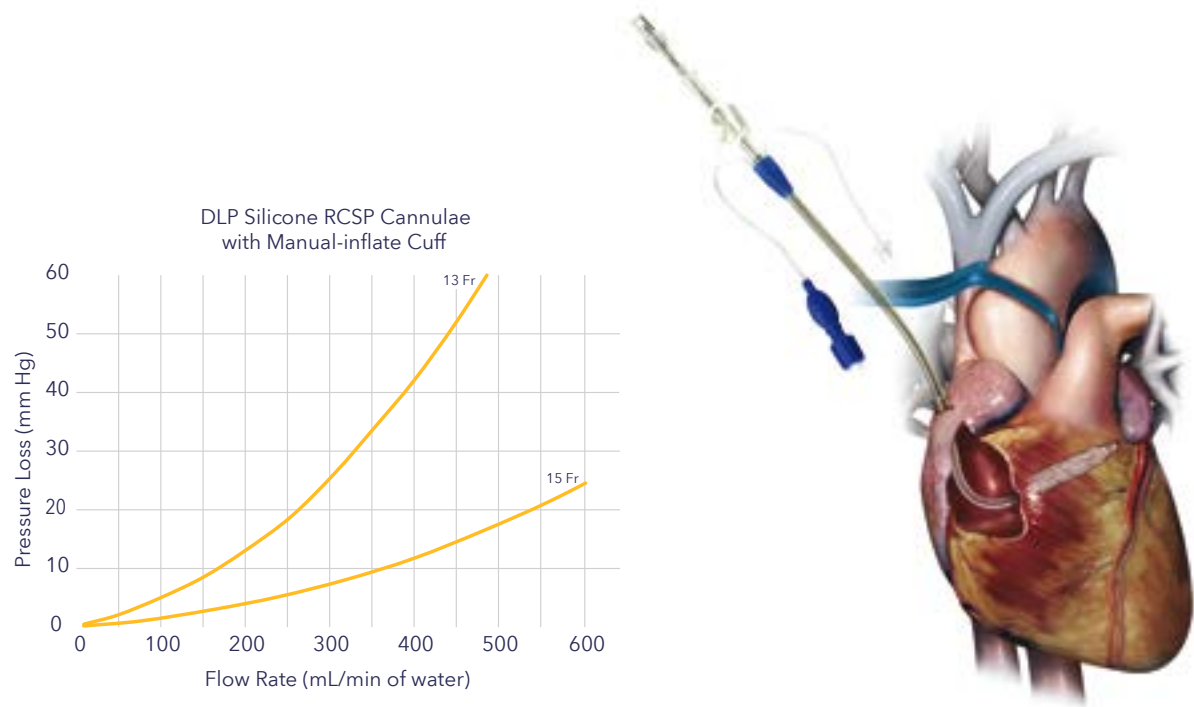


Retrograde Cannulae

DLP™ Retrograde Coronary Sinus Perfusion Cannulae with Manual-Inflate Cuff



These pediatric and adult cannulae feature silicone bodies and manual-inflate cuffs with pressure monitoring lines. A variety of cuffs and stylets are available. All cannulae come with a syringe for cuff inflation.



**12.5 in (31.8 cm)
overall length**

Elongated cuff, wirewound body, and integral stopcock

94625	15 Fr (5.0 mm) solid stylet
94665	15 Fr (5.0 mm) guidewire stylet

10 per carton



**12.5 in (31.8 cm)
overall length**

Ridged cuff, wirewound body, and integral stopcock

94913	13 Fr (4.3 mm) guidewire stylet
94913L	13 Fr (4.3 mm) guide-wire stylet and 6 in (15.2 cm) pressure monitoring and inflation line
94915	15 Fr (5.0 mm) guidewire stylet
94965	15 Fr (5.0 mm) guide-wire stylet with Tru-Touch™ handle
94975	15 Fr (5.0 mm) solid stylet with Tru-Touch handle

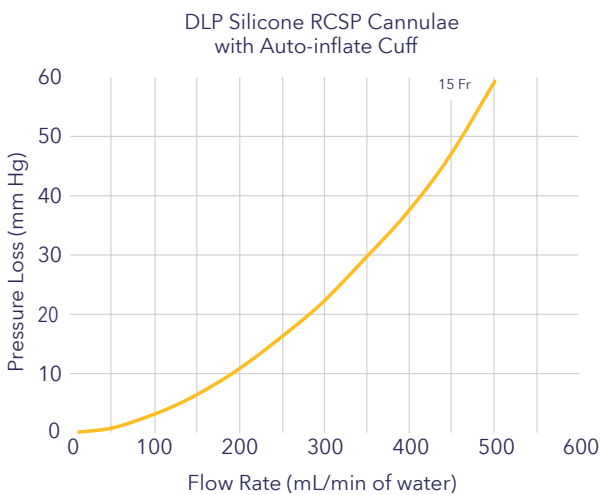
10 per carton

Retrograde Cannulae

DLP™ Retrograde Coronary Sinus Perfusion Cannulae with Auto-Inflate Cuff



These cannulae feature silicone bodies and auto-inflate cuffs with pressure monitoring lines. A variety of cuffs and stylets are available.



12.5 in (31.8 cm) overall length
Smooth preformed cuff and wirewound body

94315T	15 Fr (5.0 mm) solid stylet
94415T	15 Fr (5.0 mm) guide-wire stylet
94735	15 Fr (5.0 mm) solid stylet with Tru-Touch™ handle
94745	15 Fr (5.0 mm) guidewire stylet with Tru-Touch handle

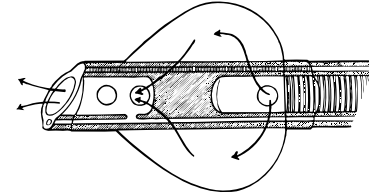
10 per carton



12.5 in (31.8 cm) overall length
Ridged preformed cuff, wirewound body, and integral stopcock

94995	15 Fr (5.0 mm) guidewire stylet with Tru-Touch handle
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10 per carton



Silicone Auto-inflate Cuff Flow Detail

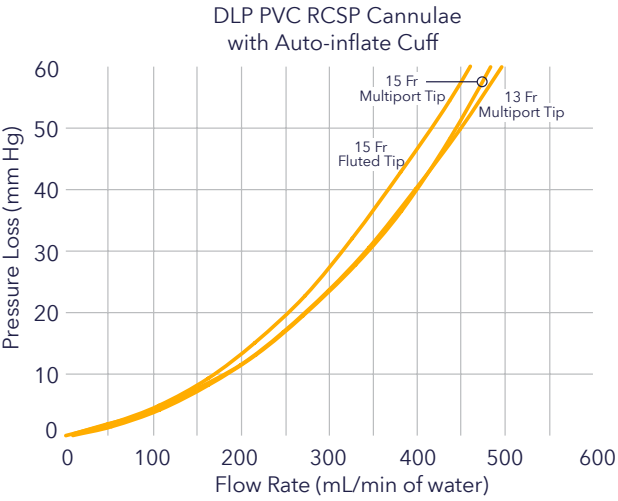
Silicone auto-inflating cuffs offer the convenience of cuff inflation without the need for a syringe. Their unique flow-through design allows cardioplegia to circulate through the cuff before exiting the cannula tip. These cuffs also feature a dual pressure monitoring system, which normally provides intra-sinus pressure monitoring through the port in the tip. However, should the tip inadvertently become occluded, the second port will monitor intra-cuff pressure. This feature greatly reduces the potential for coronary sinus damage due to overinflation.

Retrograde Cannulae

DLP™ Retrograde Coronary Sinus Perfusion Cannulae with Auto-Inflate Cuff



These cannulae feature PVC bodies and polyurethane auto-inflate smooth cuffs with pressure monitoring lines. A variety of stylets are available.



10 in (25.4 cm) overall length
Smooth preformed cuff, short fluted bullet-nosed tip, and integral stopcock

94885K	15 Fr (5.0 mm) solid stylet with Tru-Touch™ handle
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10 per carton



11 in (27.9 cm) overall length
Smooth preformed cuff, multiport tip, and integral stopcock

94533	13 Fr (4.3 mm) solid stylet with Tru-Touch handle
94535	15 Fr (5.0 mm) solid stylet with Tru-Touch handle

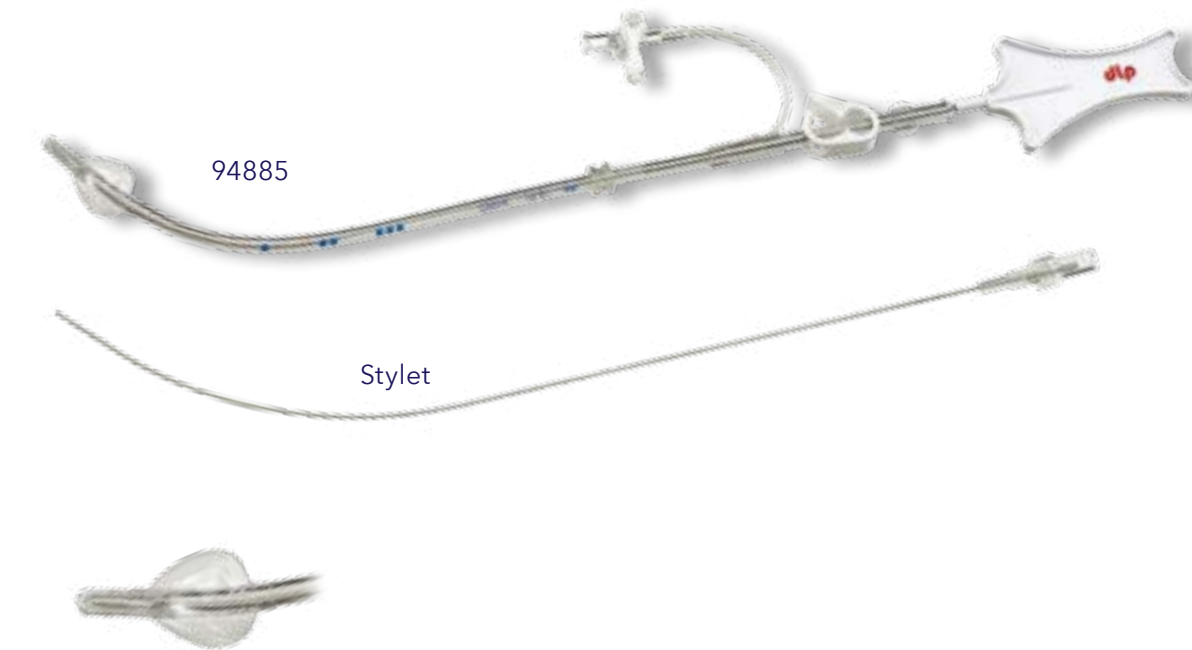
10 per carton

Retrograde Cannulae

DLP™ Retrograde Coronary Sinus Perfusion Cannulae with Auto-Inflate Cuff



These cannulae feature PVC bodies and polyurethane auto-inflate cuffs with pressure monitoring lines. A variety of cuffs and stylets are available.



12 in (30.5 cm) overall length
Smooth preformed cuff, short fluted bullet-nosed tip, and integral stopcock

94885	15 Fr (5.0 mm) solid stylet with Tru-Touch™ handle
94895	15 Fr (5.0 mm) guidewire stylet with Tru-Touch handle

10 per carton



12.5 in (31.8 cm) overall length
Smooth preformed cuff, fluted bullet-nosed tip, and integral stopcock

94835	15 Fr (5.0 mm) solid stylet with Tru-Touch handle
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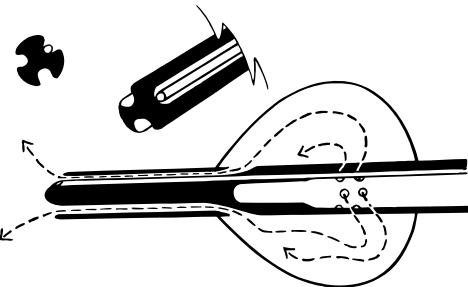
10 per carton



12.5 in (31.8 cm) overall length
Ridged preformed silicone cuff, short fluted bullet-nosed tip, and integral stopcock

94935	15 Fr (5.0 mm) solid stylet with Tru-Touch handle
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10 per carton



PVC Auto-inflate Cuff Flow Detail

Cardioplegia circuit

Cardiograde adapters



Cardioplegia adapters are designed to permit customization of the cardioplegia circuit. Medtronic adapters can be used to connect multiple cardioplegia cannulae and/or vein graft cannulae to a single inlet source, switch between antegrade and retrograde delivery of cardioplegia, and provide the option for attaching a vent line to cardioplegia cannulae. Additional adapters are available to extend the length of the cardioplegia circuit, recirculate the cardioplegia solution, or provide an extension to the pressure monitoring line.

Cardioplegia adapters



▶ DLP™ Perfusion	57
▶ DLP™ Perfusion/Venting	57
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▶ DLP™ Pressure Monitoring Extension Line	58
▶ DLP™ Straight	59
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Cardioplegia Adapters

DLP™ Perfusion Adapters



These adapters feature a barbed connector on one end and either a male luer or female luer on the other. Some models have a length of tubing between the barbed connector and luers.

2 in (5.1 cm) overall length

Male luer	
10007	1/4 in (0.64 cm) barbed connector
10008	3/8 in (0.95 cm) barbed connector
40 per carton	



3.25 in (8.3 cm) overall length

Tubing and female luer	
10022	1/4 in (0.64 cm) barbed connector
40 per carton	



DLP™ Perfusion/Venting Adapter

This adapter is a combination of perfusion adapter 10007 with an added high-flow stopcock that allows for venting. This 3-way stopcock has a large-bore inner diameter and has female and male luers on the ends.

Male luer	
13002	
20 per carton	



Cardioplegia Adapters

DLP™ Extension Line Adapters

These adapters feature soft (silicone-like) PVC tubing with or without a clamp, and male and winged female luers on the ends.

10 in (25.4 cm) overall length

Male and winged female luers	
11001	without clamp

10 per carton



20 in (50.8 cm) overall length

Male and winged female luers

11001G	with clamp
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20 per carton

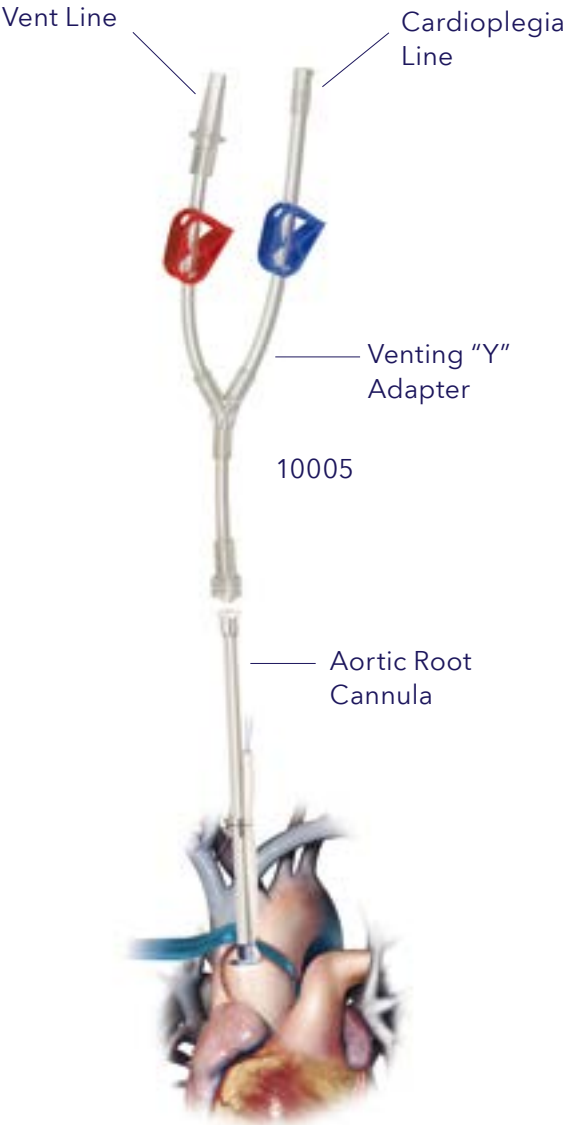
DLP™ Pressure Monitoring Extension Line Adapters

These adapters feature combinations of male and female luers on the ends.

6 ft (1.8 m) overall length

Male and female luers	
25009	male x female luers
25010	male x male luers

20 per carton



Cardioplegia Adapters

DLP™ Straight Adapters



These adapters have a male luer on one end and a 1/4 inch (0.64 cm) connector on the other.



5 in (12.7 cm) overall length

Male luers	
10001	with vented 1/4 in connector
10001K	with vented 1/4 in connector and clamp
20 per carton	

DLP™ "Y" Adapters

These adapters feature a male luer on the single leg. A female luer is on the cardioplegia inlet leg and a 1/4 inch (0.64 cm) connector is on the venting leg.



Male luer on single leg	
10005†	7.5 in (19.1 cm) overall length with 3 in (7.6 cm) inlet leg and color-coded clamps
10534	8.5 in (21.6 cm) overall length with one-way valve in vent line and color-coded clamps
20 per carton	

†When used with 10005 Venting "Y" Adapter, an Aortic Root Cannula can be used to vent the left heart.

Cardioplegia Adapters

DLP™ “Y” Type Recirculating Adapters



These adapters feature a soft “Y” that has a two-leg option with 1/4 inch (0.64 cm) connectors and venting capabilities or a three-leg option that terminates with male luers.

8 in (20.3 cm) overall length
Male luer on single leg

10003	color-coded clamps
<i>20 per carton</i>	



DLP™ “Y” Type Coronary Perfusion Adapters

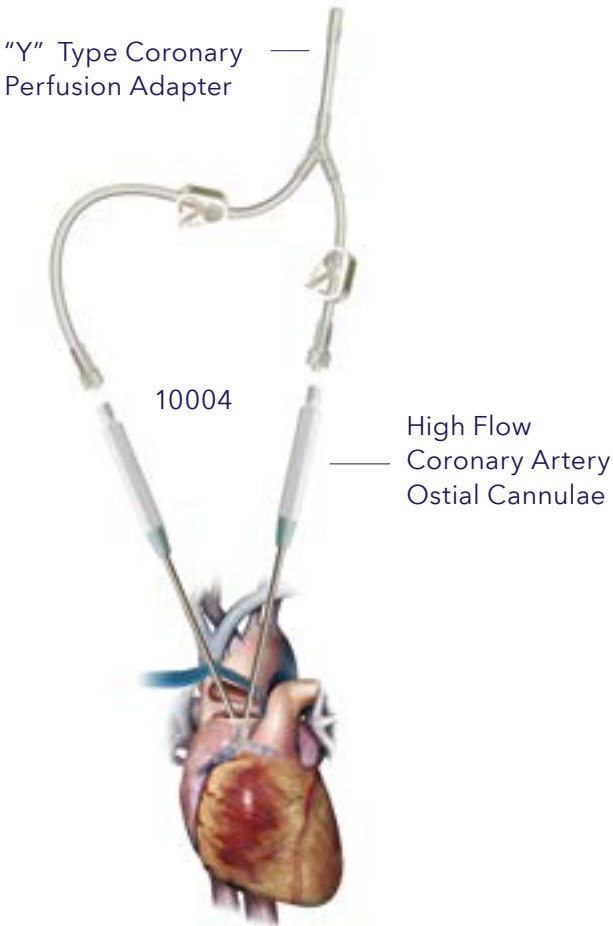
These adapters feature a rigid “Y” with two legs in various lengths that terminate with male luers.



Female luer on single leg

10004	3.5 in (8.9 cm) and 10 in (25.4 cm) legs and white clamps
10004D	6 in (15.2 cm) legs and white clamps
10700	3.5 in (8.9 cm) and 10 in (25.4 cm) legs and color-coded clamps
10706	6 in (15.2 cm) soft, silicone-like PVC legs and white clamps
10710	10 in (25.4 cm) soft, silicone-like PVC legs and white clamps

20 per carton



Cardioplegia Adapters

DLP™ "Y" Adapter



This adapter is a combination of Models 10004 and 10005 and features four legs. Two legs terminate in male luers, one terminates with a female luer, and the fourth terminates with a 1/4 inch (0.64 cm) connector.

20.5 in (52.1 cm) overall length

Combination with four legs	
10005BH	color-coded clamps
20 per carton	



This adapter features a female luer on the cardioplegia inlet leg and a 1/4 inch (0.64 cm) connector on the venting leg.

7.5 in (19.1 cm) overall length

Male luer on single leg	
10005OS	white clamps with color-coded arrows
20 per carton	



Cardioplegia Adapters

DLP™ Vein Graft Cannula



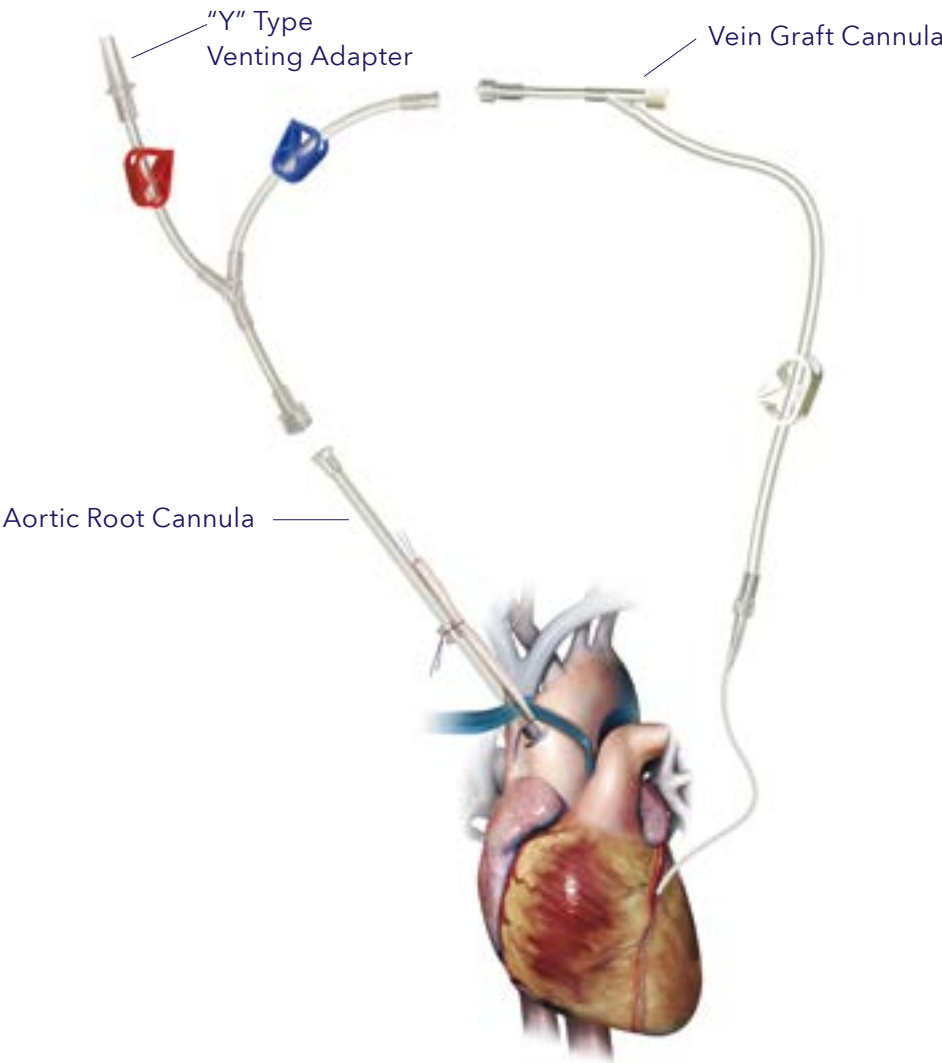
This product features a soft silicone tip with graduated steps to fit any vessel. The tip is attached to a "Y" adapter via tubing with clamps. The "Y" adapter terminates with a male luer.



25.5 in (63.5 cm) overall length

Male luer on single inlet leg	
10010	"Y" adapter with female luer and white clamp on male leg

20 per carton



The combination of a Vein Graft Cannula and an Aortic Root Cannula provides a way to perfuse the aortic root and vein graft. In this case the vein graft must be held with the fingers and not tied.

Cardioplegia Adapters

DLP™ Cardioplegia Adapter with Pressure Port



This adapter features a latex-free rubber septum to allow access for a pressure monitoring needle near the connection to the cardioplegia cannula.



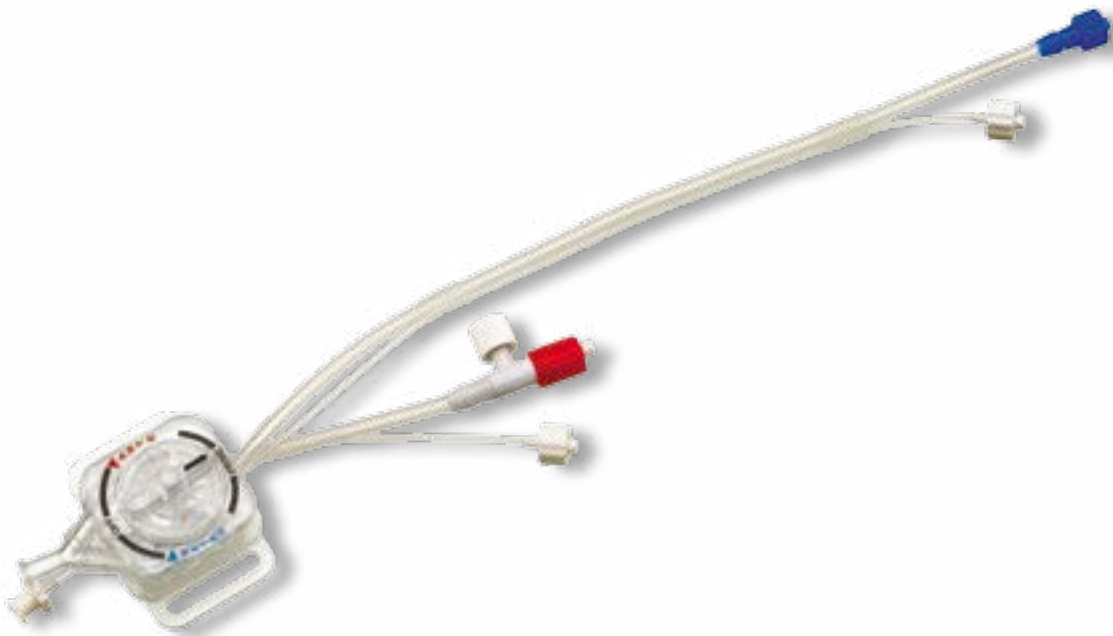
Locking male luer	
15004	
10 per carton	

ARISS™ Perfusion Switches

These table mount models allow the surgeon to switch between antegrade and retrograde cardioplegia delivery. These versions feature pressure monitoring lines that run alongside the inlet and outlet ports. The outlet ports are color coded for easy identification.

13 in (33.0 cm) overall length

Table mount models	
13000	unequal legs
13004	equal legs
10 per carton	

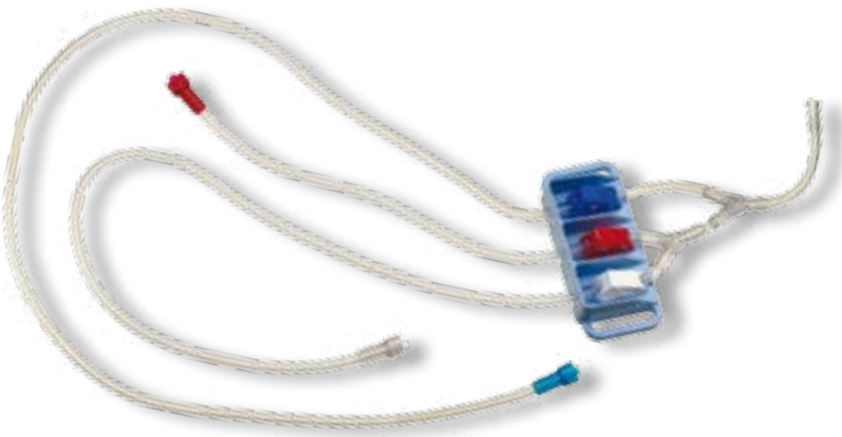


Cardioplegia Adapters

DLP™ Cardioplegia Management Set



This product features soft tubing with three legs that terminate in male luers. The legs have varying lengths and are set in a mounting bracket with adhesive pads on the back. The red clamp leg has a length of 10 inches (25.4 cm), the white clamp leg has a length of 20 inches (50.8 cm), and the blue clamp leg has a length of 30 inches (76.2 cm).



Female luer on single leg

13003	color-coded clamps
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5 per carton

DLP™ Antegrade/Retrograde Stopcock Adapter

This adapter features a large-bore, three-way stopcock and male luers on the outlet ports.

26.5 in (67.3 cm) overall length

Female luer on single leg

13001

10 per carton



Cardioplegia Adapters

DLP™ Multiple Perfusion Sets



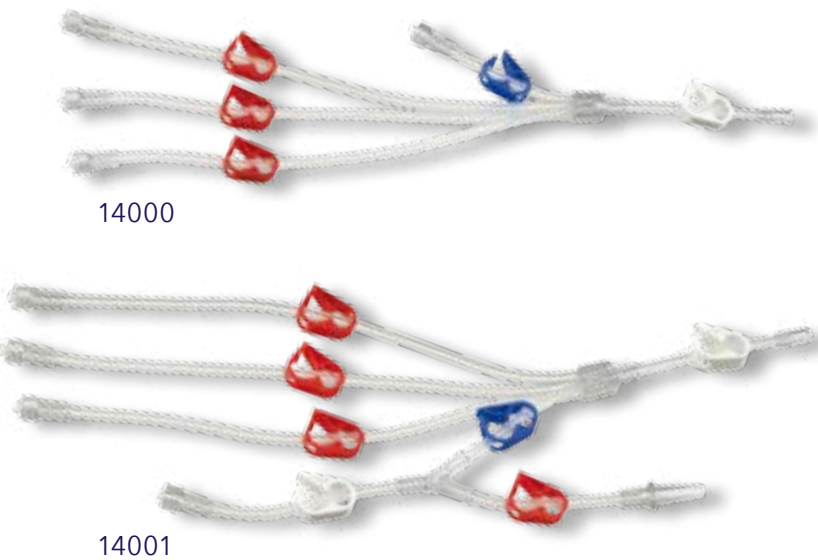
These products allow for simultaneous perfusion of the aortic root and up to three or more vein grafts. They feature inlet ports with male or female luer and clamps attached to an adapter that splits into four or more legs. These legs have color-coded clamps for easy identification and terminate with male luer. Models with a vent line terminate in a 1/4 inch (0.64 cm) connector.

12 in (30.5 cm) overall length

Female luer on single inlet leg with 4 legs

14003	4 - 8 in (20.3 cm) length legs with 3 red clamps and 1 blue clamp
14013	4 - 10 in (25.4 cm) length legs with red, blue, yellow, and white clamps

10 per carton



15 in (38.1 cm) overall length

Female luer on single inlet leg with 4 legs

14000	1 - 3 in (7.6 cm) length leg with blue clamp 3 - 10 in (25.4 cm) length legs with red clamps
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10 per carton

Female luer on single inlet leg with 4 legs and vent line

14001	1 - 8 in (20.3 cm) length vented leg with red clamp on vent line 3 - 10 in (25.4 cm) length legs with red clamps
14017	1 - 8 in (20.3 cm) length vented leg with stiff tubing and red clamp on vent line 3 - 10 in (25.4 cm) lengths stiff tubing and red clamps
14031	1 - 12 in (30.5 cm) length vented leg with yellow clamp on vent line 3 - 10 in (25.4 cm) length legs with red clamps

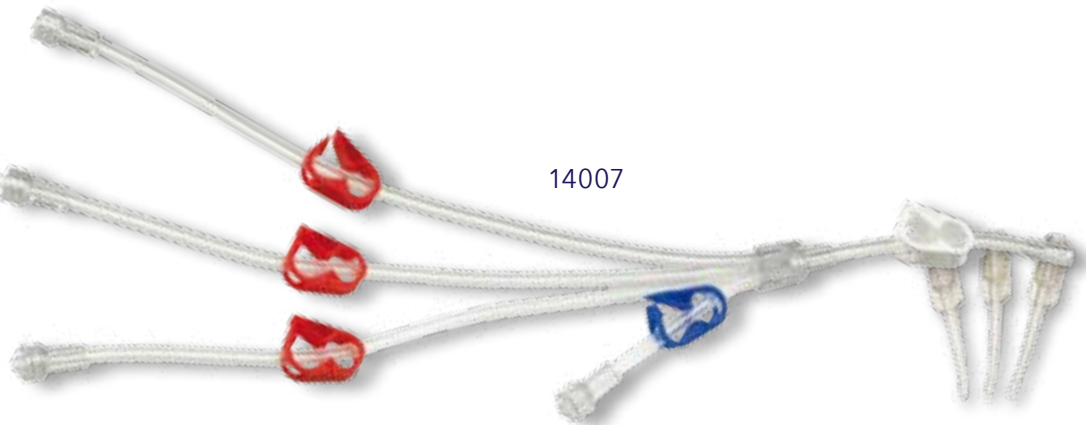
10 per carton



Cardioplegia Adapters

DLP™ Multiple Perfusion Sets

These products allow for simultaneous perfusion of the aortic root and up to three or more vein grafts. They feature inlet ports with male or female luer and clamps attached to an adapter that splits into four or more legs. These legs have color-coded clamps for easy identification and terminate with male luers.



15 in (38.1 cm) overall length

Female luer on single inlet leg with 4 legs and 3 free-flow vessel cannulae (Model 30003)

14007	1 - 3 in (7.6 cm) length leg with blue clamp
	3 - 10 in (25.4 cm) length legs with red clamps

10 per carton

Female luer on single inlet leg with 4 legs and 3 one-way valve vessel cannulae (Model 30001)

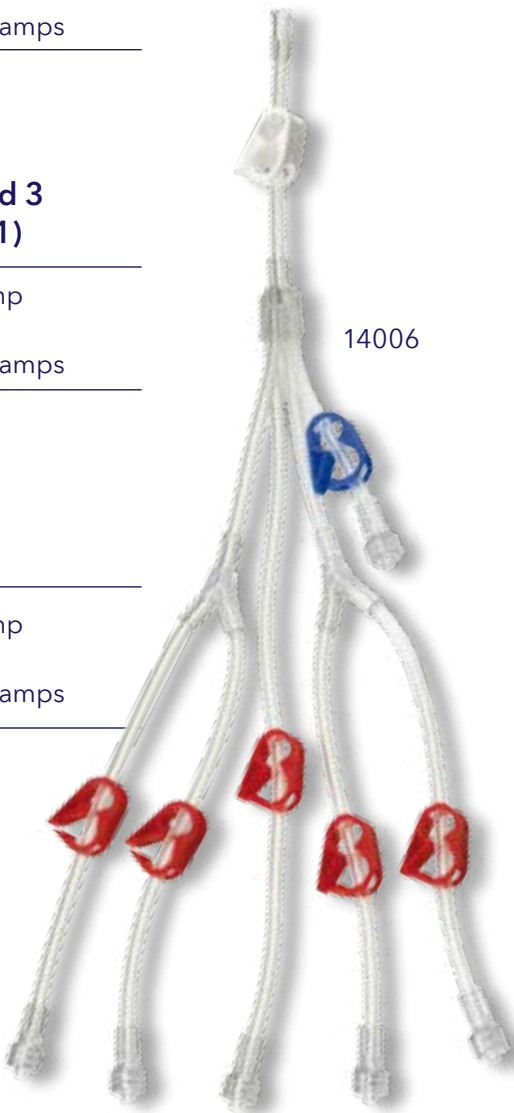
14008	1 - 3 in (7.6 cm) length leg with blue clamp
	3 - 10 in (25.4 cm) length legs with red clamps

10 per carton

Female luer on single inlet leg with 6 legs

14006	1 - 3 in (7.6 cm) length leg with blue clamp
	5 - 10 in (25.4 cm) length legs with red clamps

10 per carton



Products

Suction circuit



We offer suction products that are designed to provide either fine or gross suction to ensure a clear and dry surgical field. The Medtronic handheld cardiac suction tubes are designed for fine suction, while our intracardiac suction tubes and sumps are intended to provide suction within and around the heart. The Medtronic left heart vent catheters are designed for indirect and direct venting of the left ventricle and feature perforated tips. These vents are offered in different lengths, introducer styles, and in both silicone and PVC body construction. Our product breadth ensures the availability of a cannula to meet your specific needs.

Suction circuit



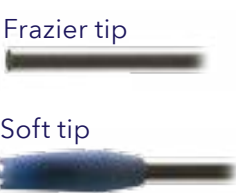
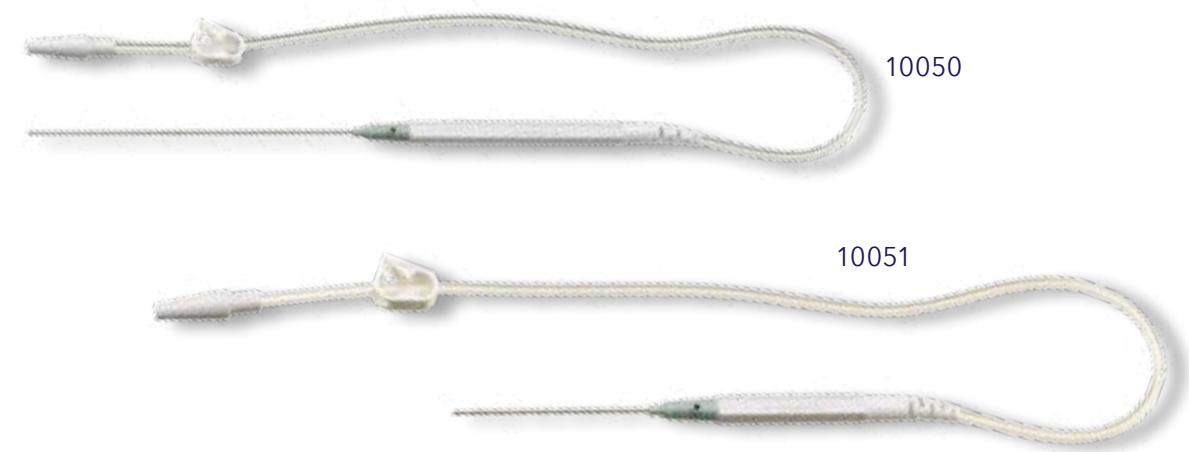
▶ DLP™ Cardiac Suction Tubes	69
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Suction circuit

DLP™ Cardiac Suction Tubes



These suction tubes feature comfortable hand grips with a vacuum control port. The tip is made from a malleable stainless steel shaft, which allows the surgeon to gently shape to a desired preference. Models are available with or without a soft silicone tip. All suction tubes are equipped with a length of tubing and clamp terminating with a 1/4 inch (0.64 cm) connector.



3 in (7.6 cm)

approx. shaft and tip length

Frazier tip	
10051	6 Fr (2.0 mm) shaft
Soft tip	
10053	6 Fr (2.0 mm) shaft with 10 Fr (3.3 mm) tip
20 per carton	

6 in (15.2 cm)

approx. shaft and tip length

Frazier tip	
10050	6 Fr (2.0 mm) shaft
Soft tip	
10052	6 Fr (2.0 mm) shaft with 10 Fr (3.3 mm) tip
20 per carton	

Suction circuit

DLP™ Cardiac Suction Tubes



This suction tube features a comfortable hand grip. The tip is made from a malleable stainless steel shaft, which allows the surgeon to gently shape to a desired preference. The DLP Intracardiac Suction device offers a perforated pool tip to minimize the possibility of tissue occlusion while maintaining an opportunity for drainage. This suction tube is equipped with a length of tubing terminating with a 1/4 inch (0.64 cm) connector.



6 in (15.2 cm) overall length

Perforated pool tip

10060

10 Fr (3.3 mm) shaft with 20 Fr (6.7 mm) tip (28 holes in tip)

20 per carton

Suction circuit

DLP™ Cardiac Suction Tubes



These suction tubes feature a comfortable hand grip. The tip shaft is made from rigid stainless steel. The Macro Sucker offers a fluted pool tip to minimize the possibility of tissue occlusion while maintaining an opportunity for drainage. The Mini Sucker has a soft, vented tip designed to clear blood from the surgical site with gentle suction.



7 in (18.0 cm)
approx. shaft and tip length

Macro Sucker	
10061	20 Fr (6.7 mm) tip with 16 Fr (5.3 mm) shaft
20 per carton	



4.75 in (12.1 cm)
approx. shaft and tip length

Mini Sucker	
10062	9 Fr (3.0 mm) tip with 11 Fr (3.7 mm) shaft
20 per carton	

Suction circuit

DLP™ Pericardial Sump



This sump features a fluted tip that is encased in a stainless steel spring and has a weight at the end. This tip is attached to soft, flexible tubing terminating in a connector.



15 in (38.1 cm) overall length

Weighted tip

12010	20 Fr (6.7 mm), 1/4 in (0.64 cm) connector
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20 per carton

DLP™ Pericardial/Intracardiac Sump

This sump features a weighted perforated pool tip to minimize the possibility of tissue occlusion while maintaining an opportunity for drainage. The perforated tip is attached to tubing that terminates with a 1/4 inch (0.64 cm) connector.



15 in (38.1 cm) overall length

Weighted tip

12112	20 Fr (6.7 mm)
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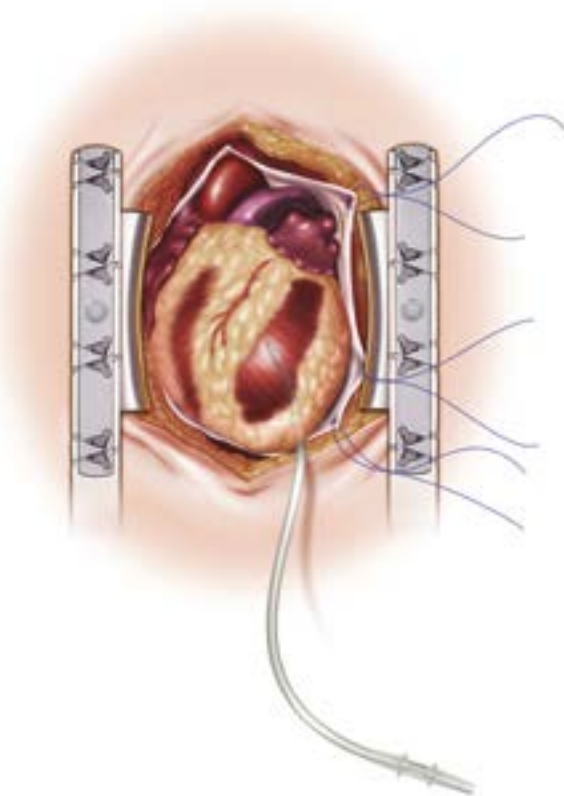
20 per carton

Suction circuit

DLP™ Cardiac Sump



These sumps feature a perforated pool tip to minimize the possibility of tissue occlusion while maintaining an opportunity for drainage. These sumps are available in pediatric and adult sizes. The perforated tip is attached to tubing that terminates with a 1/4 inch (0.64 cm) connector.



12 in (30.5 cm) overall length

12013	12 Fr (4.0 mm) (10 holes in tip)
20 per carton	

15 in (38.1 cm) overall length

12012	20 Fr (6.7 mm) (28 holes in tip)
20 per carton	

Suction circuit

DLP™ Left Heart Vent Catheters



These vent catheters are for direct and indirect venting of the left ventricle and feature perforated tips. A choice of either PVC or silicone is available, along with straight, preformed, or malleable bodies with depth markings. These vents are available in pediatric and adult sizes. Straight body models come with a malleable or stiff guidewire style introducer for easy insertion and placement. All vent catheters terminate with a vented or non-vented 1/4 inch (0.64 cm) connector.



PVC 13 in (33.0 cm) overall length

Preformed 1.5 in (3.8 cm) tip and vented connector	
12008*	10 Fr (3.3 mm) (8 holes in tip)
20 per carton	

Preformed 2 in (5.1 cm) tip and vented connector	
12001	13 Fr (4.3 mm) (14 holes in tip)
20 per carton	

2 in (5.1 cm) tip, vented connector, and malleable introducer	
12101	13 Fr (4.3 mm) (14 holes in tip)
20 per carton	



PVC 15 in (38.1 cm) overall length

Malleable body and vented connector	
12110	10 Fr (3.3 mm) (9 holes in tip)
12113	13 Fr (4.3 mm) (9 holes in tip)
12115	15 Fr (5.0 mm) (20 holes in tip)
20 per carton	



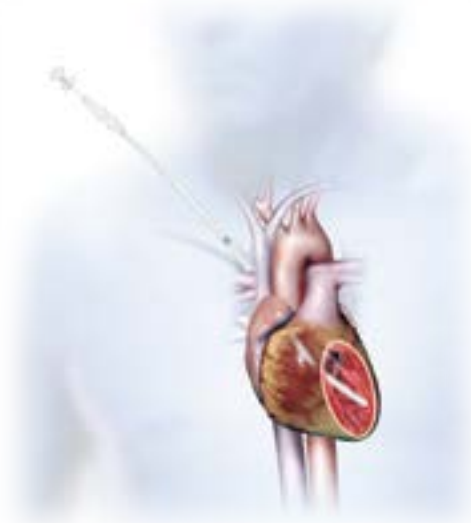
PVC 15 in (38.1 cm) overall length

Malleable body and non-vented connector	
12116	16 Fr (5.3 mm) (11 holes in tip)
12118	18 Fr (6.0 mm) (11 holes in tip)
20 per carton	



Silicone 16 in (40.6 cm) overall length

Non-vented connector and malleable introducer	
12016	16 Fr (5.3 mm) (20 holes in tip)
12002	20 Fr (6.7 mm) (24 holes in tip)
Non-vented connector and preformed introducer	
12220	20 Fr (6.7 mm) (24 holes in tip)
20 per carton	



* Also available with Cortiva™ BioActive Surface.



Products

Surgical support



The largest cannula portfolio worldwide.

Our commitment
– **to you.**

Surgical support products are designed to provide timesaving techniques and ease of use – and to facilitate the remainder of the surgical procedure. We offer a wide range of products to ensure that your specific needs are met.

Surgical support



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Surgical support

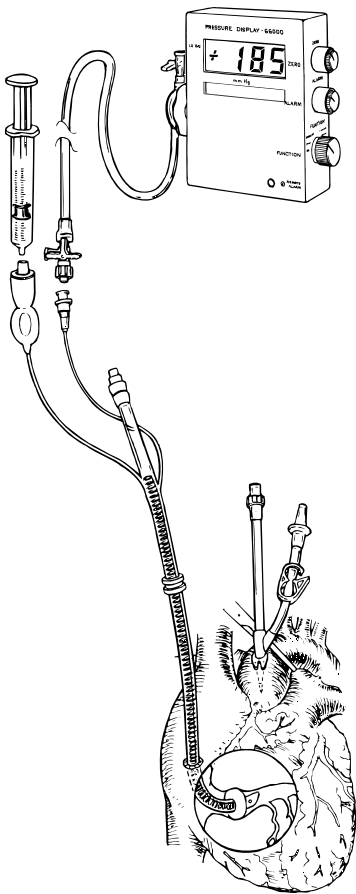
DLP™ Disposable Pressure Display Sets



These display sets are for use with our Pressure Display Box. They feature a silicone diaphragm inside a plastic dome with a stopcock that attaches to the transducer fitting on the Pressure Display Box. This dome is attached to a coil of tubing that terminates with either a male luer or a stopcock for convenient handling.

45 in (1.14 m) overall length

61000	stopcock
62000	male luer
10 per carton	



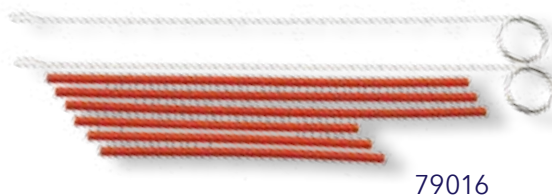
Surgical support DLP™ Tourniquet Sets



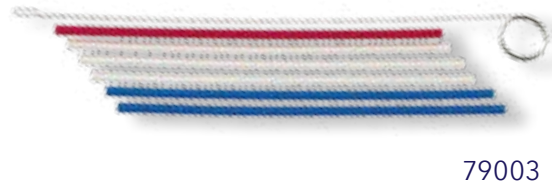
These tourniquet sets consist of color-coded tubes in varying lengths and color combinations. They are available for pediatric and adult uses. Wire snares are included with the tube sets.

Standard sets

Tube length of 4 in (10.2 cm) and 6 in (15.2 cm)	
79016	12 Fr [3 - 4 in (10.2 cm) bronze, 3 - 6 in (15.2 cm) bronze, 2 - snares]
40 sets per carton	



Tube length of 5.5 in (14.0 cm)	
79003	12 Fr (1 - red, 2 - blue, 3 - clear, 1 - snare)
79015	12 Fr (1 - red, 2 - blue, 5 - clear, 2 - snares)
40 sets per carton	

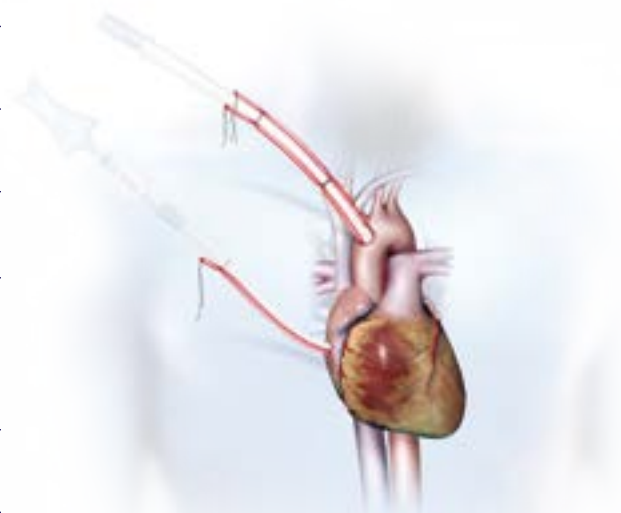


Tube length of 7 in (17.8 cm)

79004	12 Fr (1 - red, 1 - blue, 1 - snare)
79006	12 Fr (1 - red, 1 - blue, 3 - clear, 1 - snare)
40 sets per carton	
79022	12 Fr (6 - small O.D. white radiopaque, 1 - snare)
79023	19 Fr (3 - large O.D. white radiopaque, 1 - snare)
20 sets per carton	
79026	12 Fr (2 - red, 2 - blue, 2 - clear) and 16 Fr (2 - large O.D. clear, 1 - snare)
79027	12 Fr (2 - red, 1 - blue, 1 - snare)
40 sets per carton	



79022



Vena cava sets

Tube length of 7 in (17.8 cm)	
79005	12 Fr (3 - clear, 1 - snare)
79009	12 Fr (4 - clear, 1 - snare)
40 sets per carton	



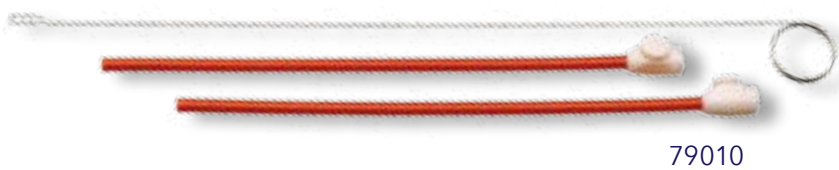
79005

Surgical support

TourniKwik™ Tourniquet Sets



These tourniquet sets consist of bronze-colored tubes in varying lengths that have a quick tie cap attached to one end. These caps eliminate the use of clamps by wrapping the suture string around the cap. Wire snares are included with each set of tubes.

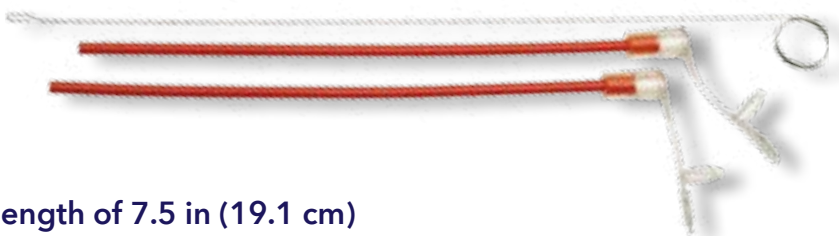


Tube length of 6 in (15.2 cm)	
79010	12 Fr (2 - tubes, 1 - snare)
79011	12 Fr (4 - tubes, 1 - snare)
40 sets per carton	

Tube length of 7.5 in (19.1 cm)	
79012	12 Fr (2 - tubes, 1 - snare)
79013	12 Fr (4 - tubes, 1 - snare)
40 sets per carton	

Sure-Snare™ Tourniquet Sets

These tourniquet sets consist of bronze-colored tubes in varying lengths that have a plug attached to one end. These plugs eliminate the use of clamps by pushing the plug into the tube end where the suture string exits.



Tube length of 5 in (12.7 cm)	
79020	22 Fr (2 - tubes, 2 - umbilical tapes, 2 - plastic snares)
20 sets per carton	



Tube length of 7.5 in (19.1 cm)	
79008	12 Fr (2 - tubes, 1 - wire snare)
20 sets per carton	

Surgical support

DLP™ Vessel Cannulae



These cannulae feature clear and radiopaque bodies and are available with or without a one-way valve. All the cannulae terminate with a female luer and have tips in various sizes and shapes.

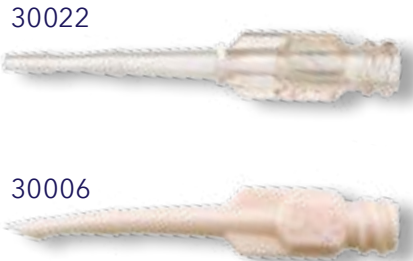
2 in (5.1 cm) overall length

Clear body	
30003	3 mm blunt tip
30004	2 mm blunt tip
30005	4 mm acorn tip
30007	3 mm beveled tip
40 per carton	



2 in (5.1 cm) overall length

Clear body with radiopaque band	
30022	3 mm blunt tip
20 per carton	



2 in (5.1 cm) overall length

Radiopaque body	
30006	3 mm beveled tip
30023	3 mm blunt tip
40 per carton	

2.5 in (6.4 cm) overall length

Clear body with one-way valve	
30000	3 mm beveled tip
30001	3 mm blunt tip
40 per carton	



2.5 in (6.4 cm) overall length

Radiopaque body with one-way valve	
30021	3 mm blunt tip
40 per carton	



Surgical support

DLP™ Arteriotomy Cannulae



This cannula features a stainless steel shaft with a bulb-shaped tip terminating with a female luer.

1.8 in (4.6 cm) overall length

31001	1 mm tip
20 per carton	



These cannulae feature a polyurethane tube with a bulb-shaped radiopaque tip connected to a winged female luer.



1.3 in (3.3 cm) overall length

31002	2 mm tip
31003	3 mm tip
20 per carton	



2.3 in (5.8 cm) overall length

31102	2 mm tip
31103	3 mm tip
31104	4 mm tip
31105	5 mm tip
31106	6 mm tip
20 per carton	

Surgical support

DLP™ Electro-Surgical Knife Cleaner



This device keeps electro-surgical knife blades clean with a quick swipe. It features a stainless steel spring attached to a plastic base, which has a self-adhesive pad. This allows the device to be placed at the most convenient site for the surgeon.

2.5 in (6.4 cm) overall length

60001
40 per carton



DLP™ Phrenic Nerve Pads

These pads are designed to help protect the phrenic nerve from the extreme cold during surgery. They are made of a closed-cell foam and contain slots. These slots can hold a pericardial sump in place. A radiopaque marker is tied to the pad.

38002	medium
38003	large
10 per carton	



Surgical support

DLP™ Coronary Artery Retraction Clips

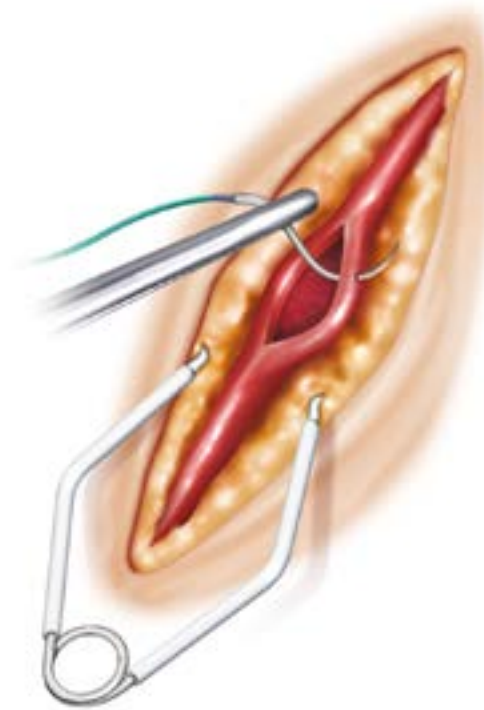


These clips are designed to help improve exposure to a coronary anastomosis site. Small prongs grab and gently hold tissue away from the vessel to improve vision.

16130	3.0 mm prong length
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16150	5.0 mm prong length
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10 per carton



Surgical support

DLP™ Pressure Catheter Placement Set

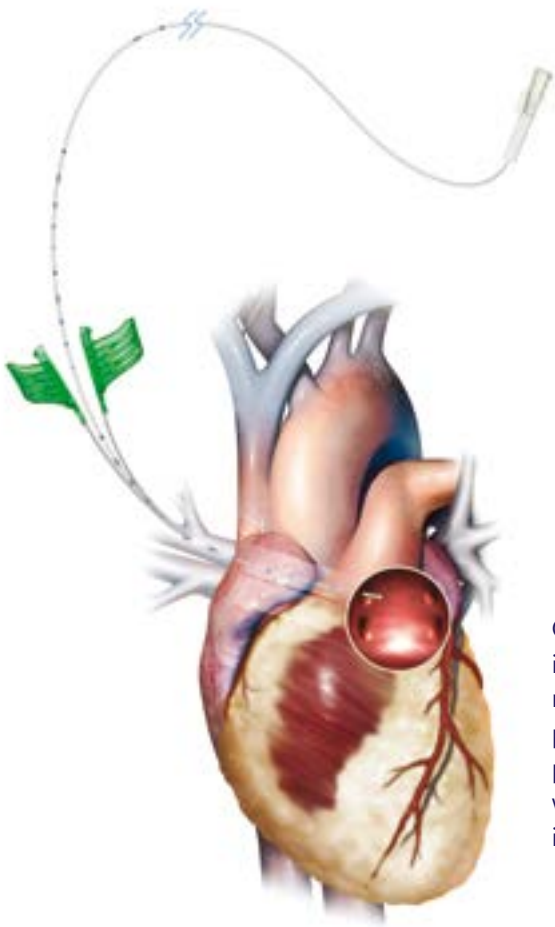


These sets are an ideal option for measuring cardiac performance postoperatively. The catheters measure left atrial pressure in real time to accurately display critical preload pressures of the left heart. The catheter tubing has depth markings and is attached to a female luer. There is a self-adhesive anchoring collar for securing the catheter at the desired location.



24 in (61.0 cm) overall length

50010	3 Fr (1.0 mm) catheter with 2 - 17 ga peel-away needles
50011	5 Fr (1.7 mm) catheter with 2 - 14 ga peel-away needles
10 per carton	



Catheter Models 50010 and 50011 are inserted through the chest wall and into the right superior pulmonary vein using two peel-away needles. The peel-away needles permit catheter insertion through the chest wall and pulmonary vein without utilizing an integral introducer.

Surgical support

DLP™ IV-decanter



This decanter includes several features to facilitate aseptic decanting of fluids from intravenous containers. It includes a large-bore spike that is attached to flexible tubing. This decanter also features a clamp, thereby eliminating spillage, reducing contamination.



8.5 in (21.6 cm) overall length

40040	Flexible tubing and clamp
--------------	---------------------------

20 per carton

DLP™ Rapid Prime Set

This set facilitates the transfer of fluids during the priming of the circuit. It features a large-bore spike attached to flexible tubing with a clamp, and terminates with a male luer.



14 in (35.6 cm) overall length

With male luer

10021

10 per carton

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CB72124	Arterial Cannula, Wirewound, Straight, 24 Fr., Vented connector with Cortiva™ BioActive Surface
CB72224	Arterial Cannula, Wirewound, Straight, Non-Vented Connector, 24 Fr. with Cortiva™ BioActive Surface
CB75318	Arterial Cannula, Adult Straight Tip with 3/8" conn. Site, 18 Fr. (6.0mm) with Cortiva™ BioActive Surface
CB75320	Arterial Cannula, Adult Straight Tip with 3/8" conn. Site, 20 Fr. (6.7mm) with Cortiva™ BioActive Surface
CB77006	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 6 Fr. (2.0mm) with Cortiva™ BioActive Surface
CB77008	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 8 Fr. (2.7mm) with Cortiva™ BioActive Surface
CB77010	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 10 Fr. (3.3mm) with Cortiva™ BioActive Surface
CB77012	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 12 Fr. (4.0mm) with Cortiva™ BioActive Surface
CB77014	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 14 Fr. (4.7mm) with Cortiva™ BioActive Surface
CB77016	Arterial, One Piece Pediatric 9" (23cm), 1/4" Vented Connector, 16 Fr. (5.3mm) with Cortiva™ BioActive Surface
CB77420	Arterial Elongated One Piece 12" (30.5 cm), Blunt Tip introducer w/o guidewire, 20 Fr. (6.7 mm), vented with Cortiva™ BioActive Surface
CB77422	Arterial Elongated One Piece 12" (30.5 cm), Blunt Tip introducer w/o guidewire, 22 Fr. (7.3 mm), vented with Cortiva™ BioActive Surface
CB77520	Arterial Elongated One Piece 12" (30.5 cm), Blunt Tip introducer w/o guidewire, 20 Fr. (6.7 mm), non-vented with Cortiva™ BioActive Surface
CB77522	Arterial Elongated One Piece 12" (30.5 cm), Blunt Tip introducer w/o guidewire, 22 Fr. (7.3 mm), non-vented with Cortiva™ BioActive Surface
CB77618	Arterial Elongated One Piece 12" (30.5 cm), Dilator Tip introducer w/guidewire, 18 Fr. (6.0 mm), vented with Cortiva™ BioActive Surface
CB77620	Arterial Elongated One Piece 12" (30.5 cm), Dilator Tip introducer w/guidewire, 20 Fr. (6.7 mm), vented with Cortiva™ BioActive Surface
CB77622	Arterial Elongated One Piece 12" (30.5 cm), Dilator Tip introducer w/guidewire, 22 Fr. (7.3 mm), vented with Cortiva™ BioActive Surface
CB77720	Arterial Elongated One Piece 12" (30.5 cm), Dilator Tip introducer w/guidewire, 20 Fr. (6.7 mm), non-vented with Cortiva™ BioActive Surface
CB77722	Arterial Elongated One Piece 12" (30.5 cm), Dilator Tip introducer w/guidewire, 22 Fr. (7.3 mm), non-vented with Cortiva™ BioActive Surface
CB78222	EOPA 3D 22FR VENTED with Cortiva™ BioActive Surface
CB78322	EOPA 3D 22FR NON-VENTED with Cortiva™ BioActive Surface

CB80120	Arterial, Metal Tip, 8.5" (21.6cm), Soft Flange, 20 Fr. (6.7mm), 3/8" Non-Vent Conn with Cortiva™ BioActive Surface
CB81120	Arterial Cannula, Ultraflex Curved Tip, 10" (25cm) Soft Body, 3/8" Non-Vented Connector, 20 Fr. with Cortiva™ BioActive Surface
CB81122	Arterial Cannula, Ultraflex Curved Tip, 10" (25cm) Soft Body, 3/8" Non-Vented Connector, 22 Fr. with Cortiva™ BioActive Surface
CB87222	WireWound curved Tip Arterial Cannula, 22 Fr., 3/8" Vented Connector with Cortiva™ BioActive Surface

Extracorporeal Circuit - Femoral Cannulae

CB96345-023	Adult Venous Femoral Cannula with 1/2" Non-Vented Connector, 30" (76.2 cm), 23 Fr. with Cortiva™ BioActive Surface
CB96345-025	Adult Venous Femoral Cannula with 1/2" Non-Vented Connector, 30" (76.2 cm), 25 Fr. with Cortiva™ BioActive Surface
CB96345-027	Adult Venous Femoral Cannula with 1/2" Non-Vented Connector, 30" (76.2 cm), 27 Fr. with Cortiva™ BioActive Surface
CB96345-029	Adult Venous Femoral Cannula with 1/2" Non-Vented Connector, 30" (76.2 cm), 29 Fr. with Cortiva™ BioActive Surface
CB96570-015	Femoral Arterial Cannula w/introducer 3/8" Connector with Lock-Vent, 17" (43.2 cm), 15 Fr. with Cortiva™ BioActive Surface
CB96570-017	Femoral Arterial Cannula w/introducer 3/8" Connector with Lock-Vent, 17" (43.2 cm), 17 Fr. with Cortiva™ BioActive Surface
CB96570-019	Femoral Arterial Cannula w/introducer 3/8" Connector with Lock-Vent, 17" (43.2 cm), 19 Fr. with Cortiva™ BioActive Surface
CB96570-021	Femoral Arterial Cannula w/introducer 3/8" Connector with Lock-Vent, 17" (43.2 cm), 21 Fr. with Cortiva™ BioActive Surface
CB96670-015	Femoral Venous Cannula w/introducer 3/8" Non-Vented Connector, 30" (76.2 cm), 15 Fr. with Cortiva™ BioActive Surface
CB96670-017	Femoral Venous Cannula w/introducer 3/8" Non-Vented Connector, 30" (76.2 cm), 17 Fr. with Cortiva™ BioActive Surface
CB96670-019	Femoral Venous Cannula w/introducer 3/8" Non-Vented Connector, 30" (76.2 cm), 19 Fr. with Cortiva™ BioActive Surface
CB96670-021	Femoral Venous Cannula w/introducer 3/8" Non-Vented Connector, 30" (76.2 cm), 21 Fr. with Cortiva™ BioActive Surface
CB96825-008	Pediatric Arterial Cannula with 1/4" Non-Vented Connector, 0.38mm, 7.5" (19 cm), 8 Fr. with Cortiva™ BioActive Surface
CB96825-010	Pediatric Arterial Cannula with 1/4" Non-Vented Connector, 0.38mm, 7.5" (19 cm), 10 Fr. with Cortiva™ BioActive Surface
CB96825-012	Pediatric Arterial Cannula with 1/4" Non-Vented Connector, 0.38mm, 7.5" (19 cm), 12 Fr. with Cortiva™ BioActive Surface
CB96825-014	Pediatric Arterial Cannula with 1/4" Non-Vented Connector, 0.38mm, 7.5" (19 cm), 14 Fr. with Cortiva™ BioActive Surface
CB96835-008	Pediatric Venous Cannula with 1/4" Non-Vented Connector, 0.38mm, 8 Fr. 7.5" (19 cm) with Cortiva™ BioActive Surface

Products codes

List of products available with Cortiva™ BioActive Surface



- CB96835-010 Pediatric Venous Cannula with 1/4" Non-Vented Connector, 0.38mm, 10 Fr. 7.5" (19 cm) with Cortiva™ BioActive Surface
- CB96835-012 Pediatric Venous Cannula with 1/4" Non-Vented Connector, 0.38mm, 12 Fr. 7.5" (19 cm) with Cortiva™ BioActive Surface
- CB96835-014 Pediatric Venous Cannula with 1/4" Non-Vented Connector, 0.38mm, 14 Fr. 7.5" (19 cm) with Cortiva™ BioActive Surface

Extracorporeal Circuit - Venous Cannulae

- CB66112 Single Stage Venous Cannula Straight Tip, 12 Fr. (4.0mm), 1/4" Conn Site with Cortiva™ BioActive Surface
- CB66114 Single Stage Venous Cannula Straight Tip, 14 Fr. (4.7mm), 1/4" Conn Site with Cortiva™ BioActive Surface
- CB66116 Single Stage Venous Cannula Straight Tip, 16 Fr. (5.3mm), 1/4" Conn Site with Cortiva™ BioActive Surface
- CB66118 Single Stage Venous Cannula Straight Tip, 18 Fr. (6.0mm), 1/4" - 3/8" Conn Site with Cortiva™ BioActive Surface
- CB66120 Single Stage Venous Cannula Straight Tip, 20 Fr. (6.7mm), 1/4" - 3/8" Conn Site with Cortiva™ BioActive Surface
- CB66124 Single Stage Venous Cannula Straight Tip, 24 Fr. (8.0mm), 1/4" - 3/8" Conn Site with Cortiva™ BioActive Surface
- CB66128 Single Stage Venous Cannula Straight Tip, 28 Fr. (9.3mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB66132 Single Stage Venous Cannula Straight Tip, 32 Fr. (10.7mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB66236 Single Stage Venous Cannula Straight Tip, 36 Fr. (12mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67312 Single Stage Venous Cannula, Right Angle, Metal Tip, Pediatric Size, 12 Fr., 1/4" conn. Site with Cortiva™ BioActive Surface
- CB67314 Single Stage Venous Cannula, Right Angle, Metal Tip, Pediatric Size, 14 Fr., 1/4" conn. Site with Cortiva™ BioActive Surface
- CB67316 Single Stage Venous Cannula, Right Angle, Metal Tip, Pediatric Size, 16 Fr., 1/4" conn. Site with Cortiva™ BioActive Surface
- CB67318 Single Stage Venous Cannula, Right Angle, Metal Tip, Pediatric Size, 18 Fr., 1/4" conn. Site with Cortiva™ BioActive Surface
- CB67320 Single Stage Venous Cannula, Right Angle, Metal Tip, Pediatric Size, 20 Fr., 1/4" conn. Site with Cortiva™ BioActive Surface
- CB67520 Single Stage Venous Cann., Angled Tip, 20 Fr. (6.7mm), 1/4" - 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67524 Single Stage Venous Cann., Angled Tip, 24 Fr. (8.0mm), 1/4" - 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67528 Single Stage Venous Cannula, Angled Tip, 28 Fr. (9.3mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67530 Single Stage Venous Cann., Angled Tip, 30 Fr. (10.0mm), 3/8" Conn Site with Cortiva™ BioActive Surface

- CB67532 Single Stage Venous Cannula, Angled Tip, 32 Fr. (10.7mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67534 Single Stage Venous Cann., Angled Tip, 34 Fr. (11.3mm), 3/8" Conn Site with Cortiva™ BioActive Surface
- CB67636 Single Stage Venous Cannula, Angled Tip, 36 Fr. (12mm), 3/8" conn. Site with Cortiva™ BioActive Surface
- CB68112 Malleable Single Stage Venous Cannula, 12 Fr. with Cortiva™ BioActive Surface
- CB68114 Malleable Single Stage Venous Cannula, 14 Fr. with Cortiva™ BioActive Surface
- CB68116 Malleable Single Stage Venous Cannula, 16 Fr. with Cortiva™ BioActive Surface
- CB68118 Malleable Single Stage Venous Cannula, 18 Fr. with Cortiva™ BioActive Surface
- CB68120 Malleable Single Stage Venous Cannula, 20 Fr. with Cortiva™ BioActive Surface
- CB68124 Malleable Single Stage Venous Cannula, 24 Fr. with Cortiva™ BioActive Surface
- CB68128 Malleable Single Stage Venous Cannula, 28 Fr. with Cortiva™ BioActive Surface
- CB68132 Malleable Single Stage Venous Cannula, 32 Fr. with Cortiva™ BioActive Surface
- CB68136 Malleable Single Stage Venous Cannula, 36Fr. with Cortiva™ BioActive Surface
- CB69320 Single Stage Venous Cannula, Right Angle, Metal Tip, High Flow, 3/8" conn site, 20 Fr. with Cortiva™ BioActive Surface
- CB69324 Single Stage Venous Cannula, Right Angle, Metal Tip, High Flow, 3/8" conn site, 24 Fr. with Cortiva™ BioActive Surface
- CB69328 Single Stage Venous Cannula, Right Angle, Metal Tip, High Flow, 3/8" conn site, 28 Fr. with Cortiva™ BioActive Surface
- CB91228 MC2 Two Stage Venous Cannula 28/36 Fr. with 3/8" conn. Site with Cortiva™ BioActive Surface
- CB91228C MC2 Two Stage Venous Cannula 28/36 Fr. with 1/2" Connector with Cortiva™ BioActive Surface
- CB91236C MC2 Two Stage Venous Cannula 36/46 Fr. with 1/2" Connector with Cortiva™ BioActive Surface
- CB91240 MC2 Two Stage Venous Cannula 32/40 Fr. with 1/2" conn. Site with Cortiva™ BioActive Surface
- CB91240C MC2 Two Stage Venous Cannula 32/40 Fr. with 1/2" Connector with Cortiva™ BioActive Surface
- CB91246 MC2 Two Stage Venous Cannula 34/46 Fr. with 1/2" conn. Site with Cortiva™ BioActive Surface
- CB91246C MC2 Two Stage Venous Cannula 34/46 Fr. with 1/2" Connector with Cortiva™ BioActive Surface
- CB91263 Oval MC2 Venous Cannula 32/40 Fr. with 1/2" conn. Site with Cortiva™ BioActive Surface
- CB91263C Oval MC2 Venous Cannula 32/40 Fr. with 1/2" Connector with Cortiva™ BioActive Surface
- CB91265 Oval MC2 Venous Cannula 36/46 Fr. with 1/2" conn. Site with Cortiva™ BioActive Surface
- CB91265C Oval MC2 Venous Cannula 36/46 Fr. with 1/2" Connector with Cortiva™ BioActive Surface

Products codes

List of products available with Cortiva™ BioActive Surface



CB91329	Two Stage Venous Cannula 29/29 Fr. with 3/8" conn. Site with Cortiva™ BioActive Surface
CB91329C	Two Stage Venous Cannula 29/29 Fr. with 3/8" Connector with Cortiva™ BioActive Surface
CB91429	Three Stage Venous Cannula 29/ 29/ 29 Fr. with 3/8" conn. Site with Cortiva™ BioActive Surface
CB91429C	Three Stage Venous Cannula 29/ 29/ 29 Fr. with 3/8" barbed Connector with Cortiva™ BioActive Surface
CB93438C	VC2 JR Atrial Caval, 34 Fr./38 Fr. (11.3mm/12mm) Wirewound 1/2" Connector with Cortiva™ BioActive Surface

Cardioplegia Circuit - Antegrade Perfusion Cannulae

CB10012	Standard Aortic Root Cannula, 12ga (9 Fr.) with Cortiva™ BioActive Surface
CB20012	Standard Aortic Root Cannula with Vent Line, 12ga (9 Fr.) with Cortiva™ BioActive Surface

Suction Circuit and Surgical Accessories - Suction Circuit Products

CB12008	Left Heart Vent Catheter, PVC - Pediatric 10 Fr. (3.3mm), preformed 1/5" tip, vented slip conn., 13" (33.0cm) with Cortiva™ BioActive Surface
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