2020

MEDSTER®

Sterilization Consumables Solutions

1

About Us

MEDSTER supplies the patented products thereof based on printing technologies by producing them in its domestic manufacturing facilities and under completely sterile conditions with the experience thereof more than 40 years and presents to the service of Turkish and Global Medical Authorities.

MEDSTER is a company which has proven its competence and reliability in the international platform thanks to its innovative structure as well as the sterile solutions thereof providing strategic and global cooperation. Our company has achieved to have reputation in international markets by virtue of its technology-focused sterilization products and services in projects which require knowledge, experience and professional competence at the same time.

Our company, established in 1968, has carried the expertise thereof in sterilization services to a new dimension by the title "MEDSTER Tıbbi Cihaz ve Sağlık Hizmetleri Ltd. Şti." it has taken in 2012. Our company continues to serve as a leading corporate company directing the sector by strengthening its institutional structure each and every passing day.

MEDSTER today is exporting it's unique products to 45 countries all over the world. MEDSTER also is the exclusive distributor for CASP plasma hydrogen peroxide sterilizer in Europe and Middle East Countries. Our company partakes in the world's leading fairs such as Germany - Medica Fair, Dubai - Arab Health and Miami USA - Fime International Medical Exhibitions and follows up the innovations at their locations.

MEDSTER, continuing the machinery investments thereof thanks to its development-oriented visionary structure and renewing itself each and every period, continues to be the indispensable choice of public and private hospitals both at home and abroad. Our company is a solution partner of the sector thanks to its wide range of products capable of supplying all requirements of the sector from one source thanks to the versatile structure thereof and has been supplying products to numerous manufacturer companies in the sector.

MEDSTER, providing advantages by sterile and domestic manufacturing and making production in accordance with the dimensions required and in line with demands as well as manufacturing specific to order has proved its success by the quality certificates thereof.

Sterilization Reel (Flat / Gusseted)

Medster heat-sealable sterilization reels are manufactured by transparent PET/PP multi-layers copolymer film and medical grade paper. Process indicators for steam and EO sterilization are applied on the paper surface of the reel, to notice if the packages are processed or unprocessed.

- Excellent microbial barrier
- Comply with ISO 11607, ISO 11140-1 and EN 868-5
- Non-toxic and accurate process indicators
- Clear and accurate colour change
- Strong side seals

Product Code	Product Description	Product Size	Qty in Box
SR05200	STERILIZATION REEL	5 cm * 200 m	16
SR75200	STERILIZATION REEL	7,5 cm * 200 m	8
SR10200	STERILIZATION REEL	10 cm * 200 m	8
SR15200	STERILIZATION REEL	15 cm * 200 m	4
SR20200	STERILIZATION REEL	20 cm * 200 m	4
SR25200	STERILIZATION REEL	25 cm * 200 m	2
SR30200	STERILIZATION REEL	30 cm * 200 m	2
SR35200	STERILIZATION REEL	35 cm * 200 m	2
SR40200	STERILIZATION REEL	40 cm * 200 m	2

Product Code	Product Description	Product Size	Qty in Box
KR75100	GUSSETED STERILIZATION REEL	7,5 cm * 100 m	8
KR10100	GUSSETED STERILIZATION REEL	10 cm * 100 m	8
KR15100	GUSSETED STERILIZATION REEL	15 cm * 100 m	4
KR20100	GUSSETED STERILIZATION REEL	20 cm * 100 m	4
KR25100	GUSSETED STERILIZATION REEL	25 cm * 100 m	2
KR30100	GUSSETED STERILIZATION REEL	30 cm * 100 m	2
KR35100	GUSSETED STERILIZATION REEL	35 cm * 100 m	2
KR40100	GUSSETED STERILIZATION REEL	40 cm * 100 m	2

Tyvek®
Sterilization
Reel

- Excellent microbial barrier
- Easy peel and aseptic presentation
- Comply with ISO 11607, ISO 11140-1 and EN 868-9
- Non-toxic and accurate process indicators
- Clear and accurate colour change
- Made of transparent PET/PE and Tyvek®
- Convenient for Plasma, EO, Gama and Ozone Sterilization.

Tyvek® sterilization reels are constructed from transparent multilayer PET/PE copolymer film and uncoated Tyvek® web in compliance with EN 868-9.

Water based, non-toxic process indicator for hydrogen peroxide sterilization complying with ISO 11140-1 is applied on the Tyvek® surface and gives better understanding of packages if processed or not processed.

Tyvek® is a trademark of DuPont™

Product Code	Product Description	Product Size	Qty in Box
TY7570	Tyvek® Sterilization Reel	7,5 cm * 70 m	8
TY1070	Tyvek® Sterilization Reel	10 cm * 70 m	8
TY1570	Tyvek® Sterilization Reel	15 cm * 70 m	4
TY2070	Tyvek® Sterilization Reel	20 cm * 70 m	4
TY2570	Tyvek® Sterilization Reel	25 cm * 70 m	2
TY3070	Tyvek® Sterilization Reel	30 cm * 70 m	2
TY3570	Tyvek® Sterilization Reel	35 cm * 70 m	2
TY4070	Tyvek® Sterilization Reel	40 cm * 70 m	2

Indicator Label & Label Gun

Self adhesive & double fold indicator label

- •Comply with ISO 11140-1
- •Non-toxic and lead free process indicator
- •Accurate indicator colour change
- •Suitable for Steam, EO and Plasma
- •Designed as 3 lines
- •Easy usage with Medster Label Gun
- •Sterilization and Expiry Date, Operator Code,
Cycle Number, etc. can be written on the indicator label
- • Barcode labels

Product Code	Product Description
30.100	3 Lines Indicator Label, Steam, 600 labels
30.200	3 Lines Indicator Label, EO, 600 labels
30.300	3 Lines Indicator Label, H2o2, 500 labels
30.500	Label gun (3 lines)

Process Tapes
Steam / EO / Plasma

- Comply with EN 285 and ISO 11140-1
- Accurate indicator colour change
- Non-toxic and lead free process indicator
- Clean peel from wrap and linen
- Available for Steam, ETO and Plasma Sterilization
- Available sizes as 19 mm and 25 mm width
- Traceability with the lot number, production andexpiry date information on the autoclave tape core

Product Code	Product Description	Product Size	Qty in Box
10.000	Autoclave Tape (without Indicator)	19 mm * 50 m	84
10.010	Autoclave Tape (without Indicator)	25 mm * 50 m	60
10.100	Autoclave Tape, Steam	19 mm * 50 m	84
10.110	Autoclave Tape, Steam	25 mm * 50 m	60
10.200	ETO Tape	19 mm * 50 m	84
10.210	ETO Tape	25 mm * 50 m	60
10.300	Plasma Tape	19 mm * 50 m	84
10.310	Plasma Tape	25 mm * 50 m	60

Bowie & Dick Test Pack

Medster Bowie & Dick Test Packs are designed for single use test packs to inspect the performance of air removal system of pre-vacuum assisted sterilizers in compliance with EN 285 and operating at 134°C and 3.5 minutes.

- Ready to use, disposable and daily steam penetration test pack
- Comply with ISO 11140-1 and EN 285
- Accurate indicator colour change
- Lead and heavy metals free
- Indicator sheet can be kept for traceability
- Designed as 200 and 400 sheets packs or boxes
(validation of 4 and 7 kg sterilization load)

Product Code	Product Description	Qty in Box
20.110	Bowie & Dick Test Pack (Wrap type), 200 sheet	90
20.120	Bowie & Dick Test Pack (Wrap type), 400 sheet	48
20.210	Bowie & Dick Test Pack (Box type), 200 sheet	84
20.220	Bowie & Dick Test Pack (Box type), 400 sheet	48

Type 4 Multi - Variable Chemical Indicator Strips

Type 4 Steam Indicators

- Designed for steam sterilization (134°C - 3.5 mins.)
- Comply with ISO 11140-1
- Lead and heavy metals free
- Clear and accurate indicator colour change

Type 4 VH$_2$O$_2$ Plasma Indicators

- VH$_2$O$_2$ Gas Plasma Chemical Indicator Strip
- Comply with ISO 11140-1
- Lead and heavy metals free
- Clear and accurate indicator colour change
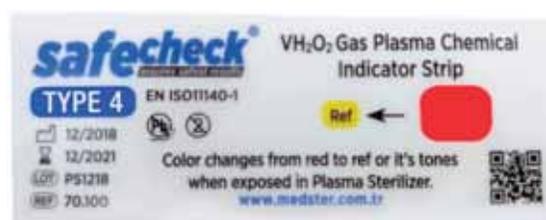
Product Code	Product Description	Qty in Box
40.100	Steam Indicator Strip (Type 4), 250 pcs	134
40.200	Steam Indicator Strip (Type 4), 250x2 dual	114
40.110	Steam Indicator Strip (Type 4), adhesive, 250 pcs	80
40.210	Steam Indicator Strip (Type 4), adhesive, 250x2 dual	80
70.100	VH2O2 Indicator Strip, 250 pcs	220

Type 5 Integrator Chemical Indicator Strips

Type 5 Steam Indicators

- Designed for Steam sterilization
- Comply with ISO 11140-1
- Steam integrator strips provide omni-critical parameters and give proximate result of Biological indicator. (Time, temperature & steam quality)
- Lead and heavy metals free
- Clear and accurate indicator colour change

UNPROCESSED

REJECTED

ACCEPTED

Type 5 ETO Indicators

- Equivalent results to BI
- Designed for ETO sterilization
- Comply with ISO 11140-1
- Lead and heavy metals free
- Clear and accurate indicator colour change

Product Code	Product Description	Qty in Box
50.100	Steam Indicator Strip (Type 5), 250 pcs	134
50.110	Steam Indicator Strip (Type 5), adhesive, 250 pcs	80
50.200	Steam Indicator Strip (Type 5), 250x2 dual	114
50.210	Steam Indicator Strip (Type 5), adhesive, 250x2 dual	80
50.500	Steam Integrator Indicator (Type 5), 100 pcs	100
51.100	EO Indicator Strip (Type 5), 250 pcs	134
51.110	EO Indicator Strip (Type 5), adhesive, 250 pcs	80
51.200	EO Indicator Strip (Type 5), 250x2 dual	114
51.210	EO Indicator Strip (Type 5), adhesive, 250x2 dual	80

Type 6 Emulating
Chemical Steam Indicator Strips

Type 6 Steam Integrating Chemical Indicators

- Designed for Steam sterilization
- 134 $^{\circ}$C – 3,5 min., 5 min., 7 min. and 121 $^{\circ}$C – 15 min.)
- Comply with ISO 11140-1
- Lead and heavy metals free
- Clear and accurate indicator colour change
- Water based non-toxic indicator
- Indicator strips keep the colour change for 6 months after sterilization

BEFORE STERILIZATION

AFTER STERILIZATION

Product Code	Product Description	Qty in Box
60.103	Steam Indicator Strip (Type 6), 3.5 min. 250 pcs	134
60.105	Steam Indicator Strip (Type 6), 5 min. 250 pcs	134
60.107	Steam Indicator Strip (Type 6), 7 min. 250 pcs	134
60.110	Steam Indicator Strip (Type 6), 3.5 min. adhesive, 250 pcs	80
60.115	Steam Indicator Strip (Type 6), 5 min. adhesive, 250 pcs	80
60.117	Steam Indicator Strip (Type 6), 7 min. adhesive, 250 pcs	80
60.200	Steam Indicator Strip (Type 6), 3.5 min. dual, 250 pcs	114
60.205	Steam Indicator Strip (Type 6), 5 min. dual, 250 pcs	114
60.207	Steam Indicator Strip (Type 6), 7 min. dual, 250 pcs	114
60.210	Steam Indicator Strip (Type 6), 3.5 min. adhesive dual, 250x2	80
60.215	Steam Indicator Strip (Type 6), 5 min. adhesive dual, 250x2	80
60.217	Steam Indicator Strip (Type 6), 7 min. adhesive dual, 250x2	80

Standart Crepe Paper
(Green / Blue)

- Proven microbial barrier
- Comply with EN 868-2
- Designed to be used in Steam and EO Sterilization
- Availability in different size
- Availability in different colours for double wrapping
- % 100 cellulose

Product Code	Product Description	Product Size	Qty in Box
CR2525	Crepe Paper, 60 gsm	25 cm * 25 cm	2000
CR3030	Crepe Paper, 60 gsm	30 cm * 30 cm	2000
CR4040	Crepe Paper, 60 gsm	40 cm * 40 cm	2000
CR4545	Crepe Paper, 60 gsm	45 cm * 45 cm	1500
CR5050	Crepe Paper, 60 gsm	50 cm * 50 cm	500
CR6060	Crepe Paper, 60 gsm	60 cm * 60 cm	500
CR7575	Crepe Paper, 60 gsm	75 cm * 75 cm	250
CR9090	Crepe Paper, 60 gsm	90 cm * 90 cm	250
CR100100	Crepe Paper, 60 gsm	100 cm * 100 cm	250
CR120120	Crepe Paper, 60 gsm	120 cm * 120 cm	125

SMS Wrapping Paper (Blue)

- Proven microbial barrier with pore structure
- Designed to be used in Plasma Sterilization
- Strong and durable
- Fluid repellant
- Good puncture and tearing resistance
- Availability in different sizes and gsm

Product Code	Product Description	Product Size	Qty in Box
SMS3030	SMS Paper	30 cm * 30 cm	2000
SMS4040	SMS Paper	40 cm * 40 cm	2000
SMS5050	SMS Paper	50 cm * 50 cm	300
SMS6060	SMS Paper	60 cm * 60 cm	300
SMS7575	SMS Paper	75 cm * 75 cm	150
SMS9090	SMS Paper	90 cm * 90 cm	150
SMS100100	SMS Paper	100 cm * 100 cm	150
SMS120120	SMS Paper	120 cm * 120 cm	100

*Qty in box refers to 45gsm SMS paper

Registration Card

- With steam process indicator
- With documentation field and reference to the color change pink to black
- Qty in box available upon request
- Sterilization date, expiry date, sterilizer number and name of the person can be documented
- Self adhesive also available
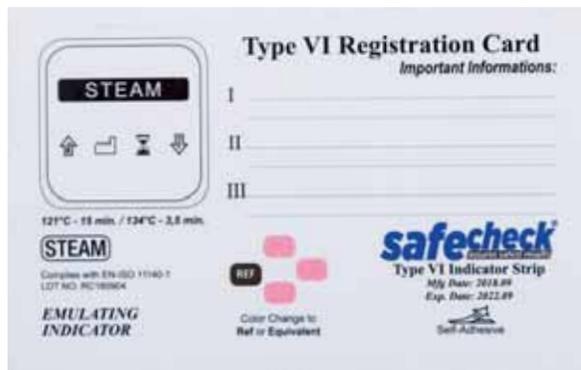
Product Code : 60.500

Container Labels

- With steam process indicator
- With documentation field and reference to the color change pink to black
- Qty in box available upon request
- Sterilization date, expiry date, sterilizer number and name of the person can be documented
- Self adhesive
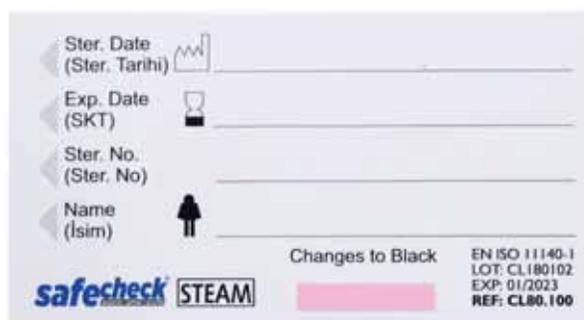
*Product Code : 80.100*

Plastic Security Seals

- With or without indicator
- Pack Content: 100 pcs. per pack
- Different colours available
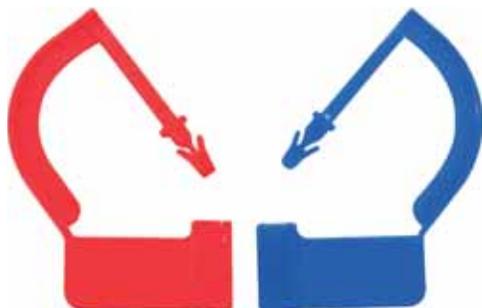
Product Code : 80.210 (without indicator)
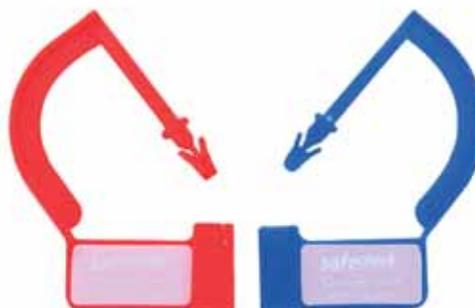
Product Code : 80.200 (with indicator)

Product Code	Product Description	Qty in Box
60.500	Registration Card	100
80.100	Container Labels	100
80.210	Plastic Security Seals	100
80.220	Plastic Security Seals with indicator	100

Washer Disinfector Cleaning Indicator

CleanCheck

Product Code : 90.100

- A simple method for monitor washer effectiveness
- Cost effective
- User friendly
- Easy to record
- Indicator insertion is easy into holder
- Indicator holder is made of stainless steel and reusable
- Pack content: 100 pcs per pack

CleanSafe

Before Exposure

After Exposure

Product Code : 90.110

Product Code	Product Description	Qty in Box
90.100	Washer Disinfector Clenaing Indicator, CleanCheck	100
90.110	Washer Disinfector Clenaing Indicator, CleanSafe	250
90.111	Cleaning Indicator Holder (Washer&Ultrasonic)	1
90.200	PCD Helix Test Indicator	252
90.201	PCD Helix Test Tool	1
90.150	Ultrasonic Cleaning Indicator, Ultra CleanCheck	250
90.160	Ultrasonic Bath Cleaning Performance Test, SoniSafe	24
90.300	Protein Residue Test, ProSafe	25

Product Code : 90.111

PCD Helix Test Pack

- Designed for steam sterilization at 134°C-3,5 min
- Water based, non-toxic, lead free indicator
- Clear and accurate color change to its reference color
- Pack Content: 1 pcd tool
- 252 pcs. indicator

PCD helix test issued as a daily test for pre-vacuum hospital sterilizers and for bench top steam sterilizers Class B for steam penetration and inert gases. The PCD helix test is an excellent test to detect even the smallest amounts of inert gases and steam penetration capabilities.
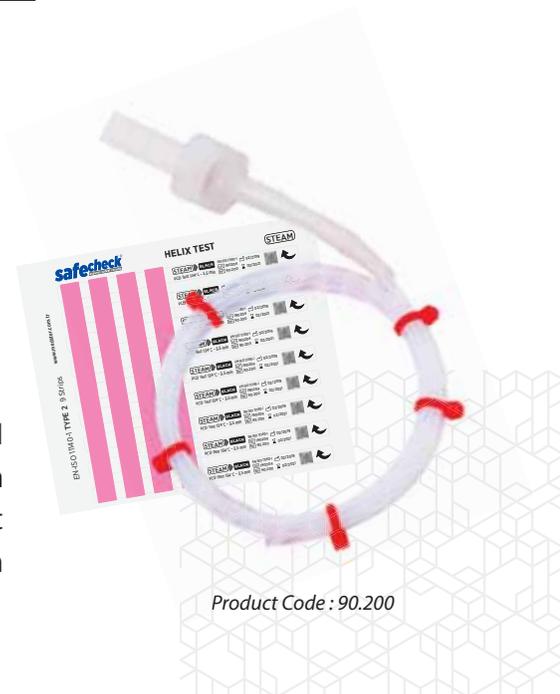
Product Code : 90.200

Ultrasonic Cleaning Indicator

- Evaluates the ultrasonic cycle
- Ready to use
- Test provides efficient and reliable results
- Easy to use and safe to handle

Ultrasonic cleaning uses caviation, chemistry, time and temperature to effectively remove soils after manual cleaning. Problems such as insuffcient energy water level, improper temperature and degassing may have an impact on the results.

Ultra CleanCheck

Before Exposure   After Exposure

Product Code : 90.150

Ultrasonic Bath Cleaning Performance Test

SoniSafe

- Does not require a special holder to be used
- Ultrasonic washers should be checked daily and weekly and result can be recorded

Product Code : 90.160

Ultrasonic cleaning test is designed for routine control and monitoring ultrasonic cavitation effectiveness of ultrasonic washing machines operating at frequencies equal or greater than 35 kHz.

Protein Residue Test

ProSafe

Prosafe is ready to use rapid protein residue detection device for testing a surface after cleaning. Prosafe will change its color if protein is present in a sample.

Product Code : 90.300

MEDSTER®

Medical Devices and Healthcare Services Co. Ltd.