



# Let's meet the science with us!



Necati KAYA<sup>®</sup> TIBBİ CİHAZLAR İTHALAT VE İHRACAT SANAYİ VE TİCARET LİMİTED ŞİRKETİ



# INDEX

Sterilization Tapes	:2
Bowie & Dick Test Packs	: 3
Bowie & Dick Test ( Wrapping Edition )	:4
Steam Challenge Pack	
Helix PCD Devices & Strips	:6
Helix PCD Strips	
Pink Card Bowie & Dick Test	
Big Sheet Bowie & Dick Test	
Type 4 ( Class 4 ) Dual Strips	
Type 5 ( Class 5 ) Steam Integrator	
Type 5 ( Class 5 ) Steam Integrator With Extende	r
Type 5 ( Class 5 ) Laminated Integrator	:13
Type 6 ( Class 6 ) Emulatig Indicator	
Ethylene Oxide Gas Test	
Hydrogen Peroxide Plasma Test	
Formaldehyde Test	:16
Sterilization Container Filter	:16
Sterilization Container Plastic Security Seals	
Sterilization Container Self Adhesive Seals	
Sterilization Container Labels	:19
Permanent Pens for Tracebility	
Sterilization Documentation Laber and Labeler .	
Ultrasonic Foil Test	
Ultrasonic Washer Test	
Washer Disinfector Efficiency and Ultrasonic Effic	ciency Control Test:23
Washer Tag with Washer Disinfector Cleaning Eff	icieny Test Soil: :24
	:25
Cannulacheck & Cannulacheck Test Apparatus.	:25
Washer Disinfector Cleaning Efficiency Test	:26
Surgical Instrument Soil Test Solution	
SMS Sterilization Wrap	:27
Ethylene Oxide and Gamma Round Adhesive In	
Protectors for Surgical Instruments	
Seal Test Rotary Sealers	
Sterilization Rolls and Bags	
Sterilization Rolls and Bags	
Sterilization Rolls and Bags	:32



# WE EXPORT TO 65 COUNTRIES WORLDWIDE

#### WHO ARE WE ?

Necati Kaya Medical Devices has been operating in the medical device industry for over 35 years and continues its commercial activities under the direction of chemical engineer Necati Kaya. While the production center which has 2.500 m<sup>2</sup> in Ankara Ivedik OSB produces STERISTAR branded sterilization control products, which %100 Necati Kaya's own manufacturing, in ISO 9001, ISO 13485 standards and CE declaration of conformity. With customer satisfaction, it adds new products to the range as it develops existing products every day.

STERISTAR branded products are exported with high customer satisfaction to more than 65 countries from our new production facility and production processes at high-quality standards are done by ourselves and in our new test laboratory, the quality controls of the products are regularly performed and recorded following the obligations of the quality system. Our company continues to work with the values, integrity and quality principles that our president Necati Kaya gives to people.



www.steristar.com

# **Sterilization Tapes**

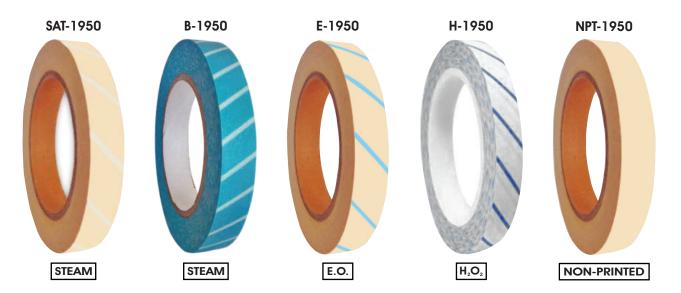


A reliable sterilization tape that provides immediate identification of processed items and also serves as a closure tape to seal sterilization packs. Chemical indicator strips change color when exposed to appropriate sterilization conditions.

The sterilization tapes are suitable for steam, ethylene oxide and hydrogen peroxide sterilization processes.

- \* Water-based and non-toxic chemical indicator is used.
- \* It adheres to woven, treated woven, non-woven, paper and paper/plastic wraps.
- \* The adhesive feature ensures that the winding material is safely packed and removed from the material in a clean/ easy way.
- \* Compatible with ISO 11140-1.

Sterilization tape changes color when subjected to sterilization process. It is important to note that the presence of sterilization tape that has changed color on an item does not ensure that the product is sterile, the tape only shows if sterilization has been performed.



REF NO	DESCRIPTION	PACKAGING
SAT-1950	Steam Tape 19mm x 50M	60 Pcs. / CARTON
SAT-2550	Steam Tape 25mm x 50M	50 Pcs. / CARTON
B-1950	Steam Tape 19mm x 50M	60 Pcs. / CARTON
B-2550	Steam Tape 25mm x 50M	50 Pcs. / CARTON
E-1950	Ethylene Oxide Tape 19mm x 50M	60 Pcs. / CARTON
E-2550	Ethylene Oxide Tape 25mm x 50M	50 Pcs. / CARTON
H-1950	Hydrogen Peroxide Tape 19mm x 50M	60 Pcs. / CARTON
NPT-1950	Non-printed Tape 19mm x 50M	60 Pcs. / CARTON
NPT-2550	Non-printed Tape 25mm x 50M	50 Pcs. / CARTON

# Bowie & Dick Test Packs



National and International Standards demand that vacuum-assisted steam sterilizers must be tested at the beginning of each working day. Test Pack designed for vacuum-assisted sterilizers to test the efficiency of the vacuum system, to remove air from the sterilizer chamber and to detect leaks in the system that would allow air into the chamber. A uniform change of the indicator sheet indicates that all the air was removed and replaced by steam it also indicates that steam penetration occurs in a healthy way. Performed after a warm-up cycle at the beginning of every day, the Bowie & Dick Test verifies the sterilizer effectively removes air.

- \* It is easy to use and cost effective.
- \* Water-based and non-toxic chemical indicator is used.
- \* Indicator pattern is easy to read and interpret.
- \* Designed to give equivalent results to those obtainable by the Bowie & Dick protocol.
- \* The backside of the indicator sheet contains fields to be filled out and it can be kept as a permanent record for traceability purposes.
- \* Compatible with ISO 11140-4 (Type 2 + 4) (Class 2 + 4).
- \* Different designs are made for the company/person on request.

**BD-200** COLOR CHANGE SCHEME TERIS BOWIE & DICK TEST PACK STEAM REF BD200 ISO 11140-4 (Class 2+4) 201-LOT 2101200 2021-01 TOXIC NON LEAD 2025-01

	e & Dick Test Pack
Hospital	4
Department	t
Autoclave No	1
Cycle No	1
Date	1
Supervisor	1
Operator	4
PASS / FAIL.*	1



CARD SIZE: 124 X 124 mm

REF NO	DESCRIPTION	PACKAGING
BD-200	Bowie & Dick Test Pack (200 Sheets)	80 Pcs. / CARTON
BD-400	Bowie & Dick Test Pack (400 Sheets)	48 Pcs. / CARTON

# Bowie & Dick Test (Wrapping Edition)

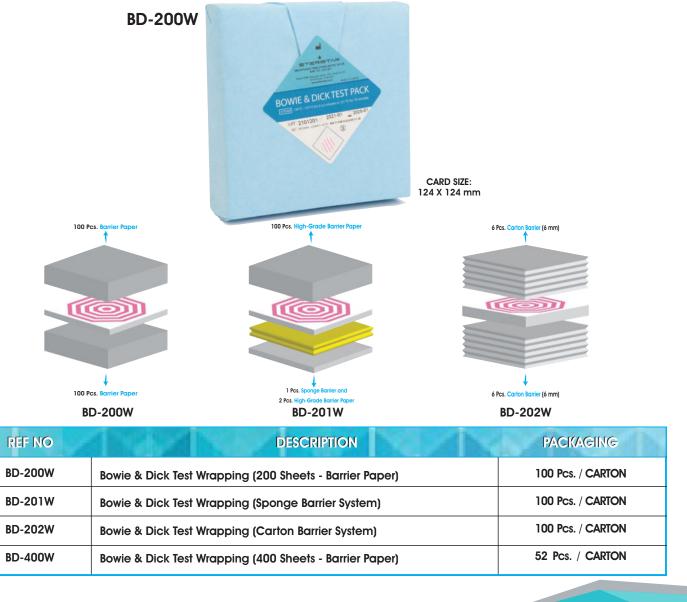


Wrapped in medical crepe paper, Bowie & Dick Test packs allow you to meet the requirements of national and international standards, such as Bowie&Dick test packs, with minimal effort and high quality.

The test must have a barrier system to measure steam penetration.

Bowie & Dick Test packs have 3 different barrier system designs created in accordance with different sterilization scenarios.

- \* The Bowie & Dick Test Packs tests steam penetration and removal of air from the cabin, as well as detecting air leaks.
- \* It is easy to use and cost effective.
- \* Water-based and non-toxic chemical indicator is used.
- \* Indicator pattern is easy to read and interpret.
- \* Designed to give equivalent results to those obtainable by the Bowie & Dick protocol.
- \* The backside of the indicator sheet contains fields to be filled out and it can be kept as a permanent record for traceability purposes.
- $\star$  Compatible with ISO 11140-4 (Type 2 + 4) (Class 2 + 4).



# Steam Challenge Pack

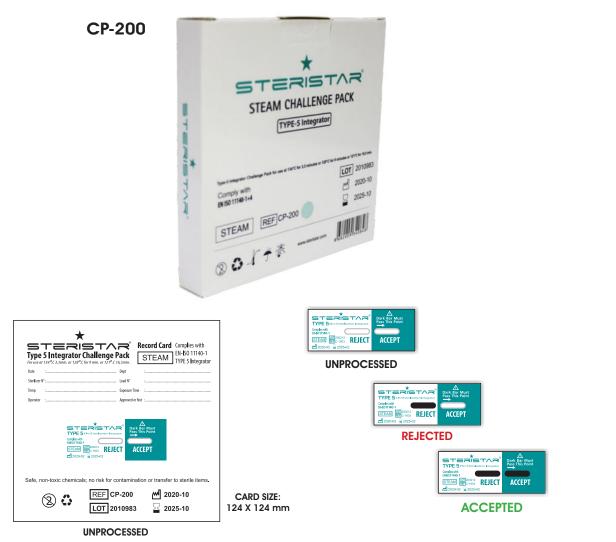


Steam Challenge Pack is designed for steam sterilization procedures. The package contains Type 5 (Class 5) chemical integrator (which gives equivalent results from biological indicators) and high quality barrier papers for to measure penetration.

The front side of integrator has a window which contains **REJECT and ACCEPT** statements. If the acceptance line has been passed, it means many parameters of sterilizer have been tested and the test is considered successful.

\* It is easy to use.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret the integrator result.
- \* The test page has fields to fill in and can be kept as a permanent record for traceability. It's suitable for archiving.
- \* Compatible with ISO 11140-4.



REF NO	DESCRIPTION	PACKAGING
CP-200	Steam Challenge Pack	80 Pcs. / CARTON

# Helix PCD Devices & Strips

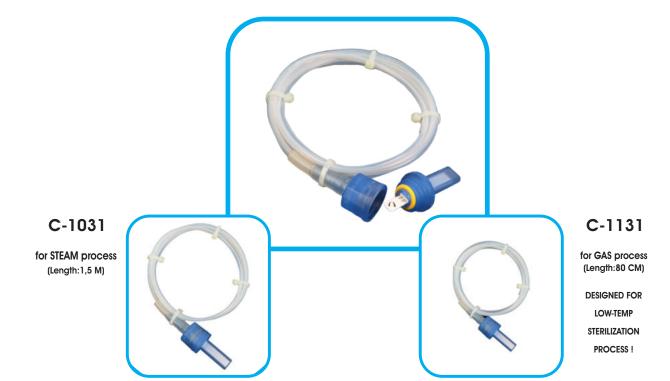


Helix PCD Strips (process challenge test) is used as a daily test for pre-vacuum hospital sterilizers and for benchtop steam sterilizers Class B for steam penetration and inert gases. The Helix PCD test is an excellent test to detect even the smallest amounts of inert gases and steam penetration capabilities.

The EN 867 Part 5 is describing a Helix PCD based steam penetration test as an alternative for the Bowie & Dick Test for bench-top steam sterilizers.

Helix PCD strips are not replacing routine monitoring of sterilization cycles. This should be done by lot control sets and/or within pack integrators.

There are different types of indicator according to the sterilization process selected: Steam, Ethylene Oxide, and Hydrogen Peroxide. If all bars change to the final color, the result is successful, so the sterilizer is working correctly. If one bar is different from the final color, it shows a bad sterilizing agent penetration therefore an equipment malfunction.



REF NO	DESCRIPTION	PACKAGING
C-1031	Helix PCD TUBE 1.5 M (for Steam Helix Tests)	30 Pcs. / CARTON
C-1131	Helix PCD TUBE 80 CM (for Gas Helix Tests)	30 Pcs. / CARTON
C-1030	Steam Helix PCD Test , Self Adhesive, 4 Indicators (Pack of 250)	100 Packs / CARTON
C-1032	Steam Helix PCD Test , Self Adhesive, 6 Indicators (Pack of 250)	100 Packs / CARTON
C-1033	Steam Helix PCD Test, Self Adhesive, 6 Indicators, Big Scale (Pack of 250)	100 Packs / CARTON
C-1045	Ethylene Oxide (EO) Gas Helix PCD Test, Self Adhesive, 4 Indicators (Pack of 250)	100 Packs / CARTON
C-1048	Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) Helix PCD Test, Self Adhesive, 4 Indicators (Pack of 250)	100 Packs / CARTON
HK-1001	Helix Test Kit (250 Strips C-1030 + 1 Pcs. C-1031)	50 Boxes / CARTON
HK-1002	Helix Test Kit (250 Strips C-1032 + 1 Pcs. C-1031)	50 Boxes / CARTON

# Helix PCD Strips





	STE         AM         BLACK         EN ISO 11140-1 LOT         2021-03           PCD         est 134°C-3,5min         IREF         C-1032         2025-03
	STE         AM         BLACK         EN ISO 11140-1 LOT         2021-03           PCD est         134°C-3,5min         REE         C-1032         2025-03
	STE         AM         BLACK         EN.ISO 11140-1 IOT 2103153         2021-03           PCD est 134°C-3,5min         REF C-1032         2025-03         2025-03
	STEAM BLACK EN ISO 11140-1 2021-03 PCD est 134°C-3,5min REE C-1032
	STEAM BLACK EN ISO 11140-1 2021-03 PCD est 134°C-3,5min REE C-1032
	STEAM BLACK EN ISO 11140-1 2021-03 PCD est 134°C-3,5min REE C-1032

STRIP SIZE: 75 X 55 mm

STEAM

\* Water-based and non-toxic chemical indicator is used.

C-1030

 
 STEAM
 BLACK
 EN ISO 11140-1 LOTI 2108152
 2021-08

 PCD Test 134°C-3 5min
 REF C-1030
 2025-08

> EN ISO 11140-LOT 2108152 REFI C-1030

EN ISO 11140-1 LOT 2108152 [REF] C-1030

 
 STEAM
 BLACK
 EN ISO 11140-1 ICOT 2108152

 PCD Test 134\*C-3 5min
 IEEE C-1030

 STEAM
 BLACK
 EN ISO 11140-1 ICOT 2108152

 PCD Test 134\*C-3 5min
 IEEE C-1030

 
 STEAM
 BLACK
 EN ISO 11140-1 ILOT 2108152

 PCD Test 134°C-3 5min
 REF C-1030

STEAM BLACK

STEAM BLACK

STRIP SIZE: 75 X 55 mm

STEAM

U

U

し

U

し

U

2021-08

2021-08

2021-08

2021-08

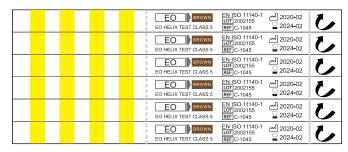
2021-08

- \* It is easy to read and interpret.
- \* 250 cycles are guaranteed.
- \* After steam sterilization process pink color changes to dark color.
- \* After EO sterilization process blue color changes to deep green color or yellow color changes to brown color.
- \* After H<sub>2</sub>O<sub>2</sub>Sterilization process red color changes to yellow color.
- \* Compatible with ISO 11140-1.

- \* With the self-adhesive feature, it can be used as a permanent record for traceability purposes.
- \* Different designs are made for the company/person on request.

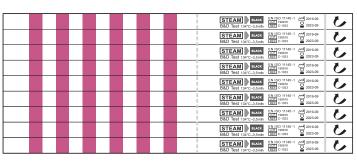
C-1033

#### C-1045



STRIP SIZE: 75 X 55 mm

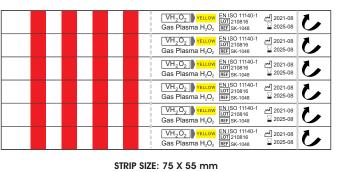
#### **E.O**.



STRIP SIZE: 135 X 60 mm



C-1048



 $H_2O_2$ 

# Pink Card Bowie & Dick Test



The Pink Card is a Bowie & Dick test designed to detect air leaks, inadequate steam penetration and vacuum pump failures in pre-vacuum steam sterilizers. The test is conducted each day in an empty sterilizer before processing any loads.

- \* Water-based and non-toxic chemical indicator is used.
- $\star$  It is easy to read and interpret.
- \* The steel apparatus (BD-8 HLD) of the Pink Card allows the Pink Card to hold the card in place during the sterilization cycle.
- \* The metal ring apparatus (BD-8 RNG) of the Pink Card allows Pink Card to be attached to a rack in the sterilizer and holds the card in place during the sterilization cycle.
- \* Compatible with ISO 11140-1 and EN 867-5.
- \* Different designs are made for the company/person on request.



**BD-8 FRONT SIDE** 

**BD-8 PNG** 



**BD-8 BACK SIDE** 

PINK CARD S/T	Bowie & Dick Test
FINK CARD 3/T	
	STEAM REF BD-8
Site:	Dept:
Machine #:	Cycle #:
Operator:	Date:
Supervisor:	Result:PASS 🗆 FAIL 🔲
*	LOT 2103204 2021-03
AAA STERISTAR	2 2021-03
www.steristar.com info@	steristar.com 🎽 2025-03
	_

PRODUCT SIZE: 50 X 90 mm

REF NO	DESCRIPTION	PACKAGING
BD-8	Pink Card Bowie & Dick Test (Pack of 100)	60 Packs / CARTON
BD-8 HLD	Holder for BD-8 Pink Card (Stainless Steel)	45 Pcs. / CARTON
BD-8 RNG	Metal Ring for BD-8 Pink Card	100 Pcs. / CARTON

# **Big Sheet Bowie & Dick Test**



Individual Bowie & Dick Test Sheets are designed for use in the towel-pack version of the Bowie & Dick test. The high sensitivity ink of the product and easy interpretation of color changes guarantee the earliest possible warning of impending problems in pre-vacuum sterilizers. A Bowie&Dick Test Sheet should be placed within surgical towels that are assembled according to AAMI guidelines.

- \* Water-based and non-toxic chemical indicator is used.
- \* Indicator pattern is easy to read and interpret.
- \* Compatible with ISO 11140-4 (Class 2 + 4).
- \* Individual Bowie & Dick tests make testing steam penetration and air removal, as well as detecting air leaks.
- \* It is reliable and cost effective.
- \* The indicator sheet contains fields to be filled out and it can be kept as a permanent record for traceability purposes.

**BD-10** 



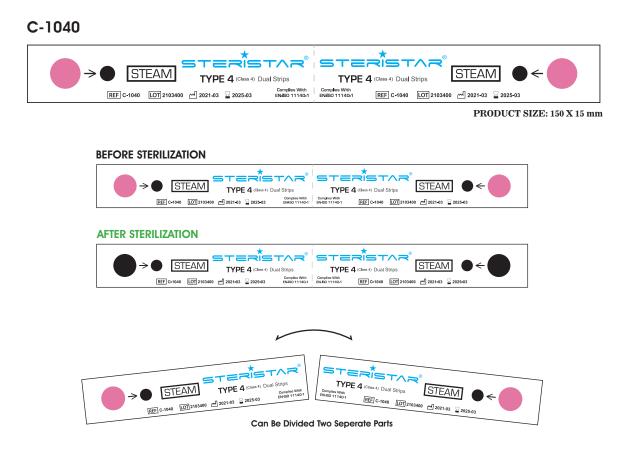
REF NO	DESCRIPTION	PACKAGING
BD-10	Big Sheet Bowie & Dick Test ( Pack of 100 )	50 Packs / CARTON

Type 4 (Clo	ass 4) Dual Strips
Clean / Prep / Pack	Sterilize Store Issue / Use

Type 4 Dual Strips monitors critical parameters to ensure proper sterilization has accrued during the steam sterilization process. The Dual Strips designed for use in all steam sterilizers. The long stripe of chemical indicator ink printed on perforated-style strip allows full or half-length use for different pack sizes. For rigid sterilization loads, there should be at least 2 test strips diagonally opposite in each corner to ensure that the cycle has reached all areas of the machine.

**\*Water-based and non-toxic chemical indicator is used.** 

- \* It is easy to read and interpret.
- \*Type 4 Dual Strips are cost-effective and can be divided into two separate pieces for economical use.
- \*Compatible with ISO 11140-1.
- \* Self-Adhesive versions can be used as a permanent record for traceability purposes.
- \*Different designs are made for the company/person on request.



REF NO	DESCRIPTION	PACKAGING
C-1040	Type 4 Steam Dual Strips (250 x 2)	80 Packs / CARTON
C-1040-SA Type 4 Steam, Self Adhesive, Dual Strips (250 x 2)		70 Packs / CARTON

# TYPE 5 (Class 5) Steam Integrator



Type 5 Steam Integrators can be used inside each load to monitor time, temperature and steam exposure conditions and can provide the necessary sterilization assurance. Type 5 integrator mimics the ability of a biological indicator at three separate points during the sterilization process because it will monitor both time and temperature without requiring incubation as does a biological indicator.

The Integrator consists of a paper wick and steam and temperature-sensitive chemical pellet contained in a foil laminate. The chemical pellet melts and migrates as a dark color along with the paper wick. The migration is visible through a window marked as REJECT or ACCEPT.

- \* It can be used for steam sterilization cycles.
- \* Moving front style has (Accept/Reject) readout for instant results without interpretation.
- \* Safe, non-toxic chemicals is used. No risk for contamination or transfer of sterile items.
- $\star$  Compatible with ISO 11140-1.

#### C-1005



PRODUCT SIZE: 50 X 20 mm

#### C-1603



PRODUCT SIZE: 50 X 20 mm

#### UNPROCESSED



#### REJECTED



#### ACCEPTED



REF NO	DESCRIPTION	PACKAGING
C-1005	Type 5 Steam Integrator, Single Window (Pack of 100)	10.000 Pcs. / CARTON
C-1005	Type 5 Steam Integrator, Single Window (Pack of 250)         10.000 Pcs. / 0	
C-1005	Type 5 Steam Integrator, Single Window (Pack of 500)	10.000 Pcs. / CARTON
C-1603	Type 5 Steam Integrator, Double Window (Pack of 100)	10.000 Pcs. / CARTON
C-1603	Type 5 Steam Integrator, Double Window (Pack of 250)	10.000 Pcs. / CARTON
C-1603	Type 5 Steam Integrator, Double Window (Pack of 500)	10.000 Pcs. / CARTON

# TYPE 5 (Class 5) Steam Integrator with Extender

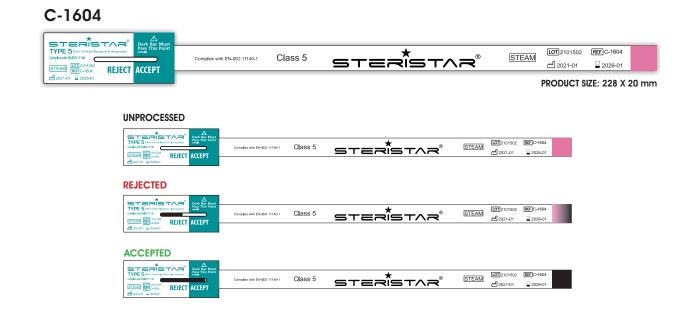


Type 5 Steam Integrator with Extender can be used inside each load to monitor time, temperature and steam exposure conditions and can provide the necessary sterilization assurance. The Extender consists of two parts; Type 5 Steam Integrator and Type 5 Integrator. Type 5 Steam Integrator consists of a paper wick and steam and temperature-sensitive chemical pellet contained in a foil laminate. The chemical pellet melts and migrates as a dark color along with the paper wick. The migration is visible through a window marked as REJECT or ACCEPT. Type 5 Integrator consists of indicator ink which color changes after the steam sterilization process.

Double control is provided for sterilization safety.

TYPE 5 Sterilization Integrator with Extender Extender can provide enhanced confidence about the success of the sterilization process due to the double check feature.

- \* Water-based and non-toxic chemical indicator is used.
- \* Moving front style has (Accept/Reject) readout for instant results without interpretation.
- \* Safe, non-toxic chemicals is used. No risk for contamination or transfer of sterile items.
- \* Packed in 250 pieces.
- \* Compatible with ISO 11140-1.
- \* Different designs are made for the company/person on request.



REF NO	DESCRIPTION	PACKAGING	
C-1604	Type 5 Extender Integrator (Pack of 100)	10.000 Pcs. / CARTON	
C-1604	Type 5 Extender Integrator (Pack of 250)	10.000 Pcs. / CARTON	
C-1604	Type 5 Extender Integrator (Pack of 500)	10.000 Pcs. / CARTON	

#### 12

# Type 5 (Class 5) Laminated Integrator

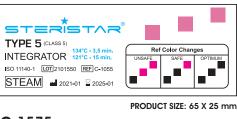


Type 5 Laminated Integrator is designed to evaluate parameters of the sterilization process on the location and to give instant read-out. It can be used in all steam sterilizers as an internal pack monitor. The Integrator changes color rapidly when the sterilization parameters are reached. An internal chemical indicator should be placed in every sterilization package to ensure the sterilization agent has penetrated the packaging material and reached the instruments inside.

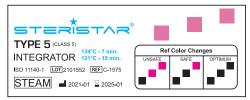
\*Water-based and non-toxic chemical indicator is used.

- \*It is easy to read and interpret.
- **\***Compatible with ISO 11140-1.
- \*Self-Adhesive versions can be used as a permanent record for traceability purposes.
- \* Packed in 250 pieces.
- \*Different designs are made for the company/person on request.

#### C-1055



#### C-1575



PRODUCT SIZE: 65 X 25 mm

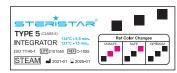
#### **UNSAFE**



#### SAFE



#### **OPTIMUM**



REF NO	DESCRIPTION	PACKAGING
C-1055	Type 5 Laminated Integrator, Triple Indicators, 134°C-3,5 min.	80 Packs / CARTON
C-1055-\$A	Type 5 Laminated Integrator, Triple Indicators, Self Adhesive, 134°C-3,5 min.	70 Packs / CARTON
C-1575	Type 5 Laminated Integrator, Triple Indicators, 134°C-7 min.	80 Packs / CARTON
C-1575-\$A	Type 5 Laminated Integrator, Triple Indicators, Self Adhesive, 134°C-7 min.	70 Packs / CARTON

# TYPE 6 (Class 6) Emulating Indicator



Type 6 Emulating Indicators are part of an effective quality assurance program. It helps identify possible sterilization process failures that may result from improper packaging, improper loading or improper operation of the sterilizer. Emulating indicators change color when the specified parameter is provided. One emulator should be used in each sterilization package to ensure that the steam penetrates the packaging material and reaches the tools inside. These emulating indicators can be used for routine monitoring of steam sterilization cycles.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- $\star$  Compatible with ISO 11140-1.
- \* Self-Adhesive versions can be used as a permanent record for traceability purposes.
- \* Packed in 250 pieces.
- \* Different designs are made for the company/person on request.



PRODUCT SIZE: 25 X 65 mm



PRODUCT SIZE: 25 X 65 mm



PRODUCT SIZE: 25 X 65 mm



PRODUCT SIZE: 25 X 65 mm

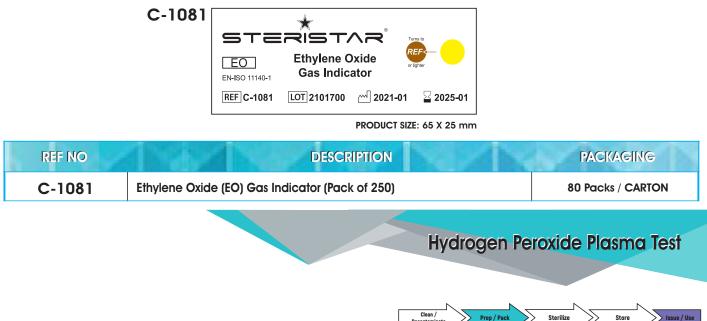
REF NO	DESCRIPTION	PACKAGING
C-1035	Type 6 Emulating Indicator, Triple Indicators, 134°C-3,5 min.	80 Packs / CARTON
C-1035-SA	Type 6 Emulating Indicator, Triple Indicators, Self Adhesive, 134°C-3,5 min.	70 Packs / CARTON
C-1007	Type 6 Emulating Indicator, Triple Indicators, 134°C-7 min.	80 Packs / CARTON
C-1007-SA	Type 6 Emulating Indicator, Triple Indicators, Self Adhesive, 134°C-7 min.	70 Packs / CARTON
C-1601	Type 6 Emulating Indicator, Single Big Dot, 134°C-3,5 min.	80 Packs / CARTON
C-1601-\$A	Type 6 Emulating Indicator, Single Big Dot, Self Adhesive, 134°C-3,5 min.	70 Packs / CARTON
C-1602	Type 6 Emulating Indicator, Single Big Dot, 134°C-7 min.	80 Packs / CARTON
C-1602-SA	Type 6 Emulating Indicator, Single Big Dot, Self Adhesive, 134°C-7 min.	70 Packs / CARTON

# **Ethylene Oxide Gas Test**



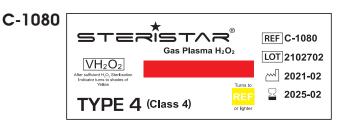
EO Gas Test is an ethylene oxide sterilization process indicator designed to indicate, through a visible color change, when the device has been exposed to an ethylene oxide sterilization process. The test designed to monitor all critical parameters of Ethylene Oxide sterilization (time, temperature, gas concentration and humidity). The test can be used in every pouch or pack and will assure ethylene oxide gas penetration into the packs with a uniform color change from blue to light green or from yellow to brown. This product is designed for use in ethylene oxide sterilizers.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- \* Compatible with ISO 11140-1.



H<sub>2</sub>O<sub>2</sub> Plasma Test is designed to be used at low-temperature hydrogen peroxide gas plasma sterilizers. The test can be used in every pouch or pack and will assure sufficient hydrogen peroxide gas penetration into the packs with a uniform color change from red to yellow.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- \* Compatible with ISO 11140-1.



PRODUCT SIZE: 65 X 25 mm

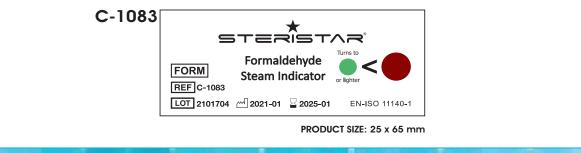


# Formaldehyde Test



Formaldehyde Test is designed to be used at low-temperature formaldehyde gas sterilizers. The test can be used in every pouch or pack and will assure sufficient formaldehyde gas penetration into the packs with a uniform color change from claret red to green.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- \* Compatible with ISO 11140-1.



REF NO	DESCRIPTION	PACKAGING
C-1083	C-1083 Formaldehyde Gas Indicator (Pack of 250)	

#### **Sterilization Container Filter**



The materials used for container filter, are mechanically strong to withstand the vacuum and steam pulse movements and are an effective barrier.

\* Water-based and non-toxic chemical indicator is used. \* It is easy to read and interpret. C-1077 STERISTAR \* Compatible with ISO 11140-1. PAPER FILTER FOR STERILISATION dark brown = sterilized 0 REF C-1077 LOT 2101750 ₩2021-01 ¥2025-01 ⊗ NECATİ KAYA TIBBI CIH. VE IHR. SAN. VE TIC. LTD. ŞTI. Ivedik O.S.B Agacı İsleri Sitesi. 1358. Sokak No: 30 Yenimahalle 06378 Ankara / TURKEY www.steristar.com +90 312 562 02 21 & 22 F: +90 312 562 02 1! MI/ PRODUCT DIAMETER: 190 mm **REF NO** DESCRIPTION C-1077 Round Container Filter with Steam Indicator (Pack of 100)

PACKAGING

50 Packs / CARTON

# Sterilization Container Plastic Security Seals



Containers are sealed with plastic security seals for single-use, these can be open only by cracking. Plastic security seals are safeguarding the container against unauthorized opening. It is the easiest method of quickly identifying or marking instruments, trays, trolleys or other equipment.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- \* Compatible with ISO 11140-1.
- \* Different sizes and colors are available on request.
- \* Packaging options of 100 pcs. and 1000 pcs. are available.



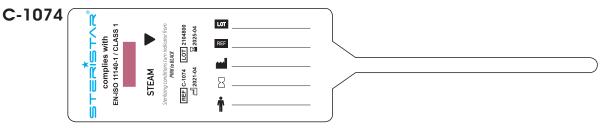
REF NO	DESCRIPTION	PACKAGING
C-1070	Blue Plastic Security Seal, Standart Model	5.000 Pcs. / CARTON
C-1071	Red Plastic Security Seal, Standart Model	5.000 Pcs. / CARTON
C-1072	Blue Plastic Security Seal, Standart Model with Steam Indicator	5.000 Pcs. / CARTON
C-1073	Red Plastic Security Seal, Standart Model with Steam Indicator	5.000 Pcs. / CARTON
C-1201	Blue Plastic Security Seal, Long Model	5.000 Pcs. / CARTON
C-1202	Red Plastic Security Seal, Long Model	5.000 Pcs. / CARTON
C-1301	Yellow Plastic Security Seal, Long Model	5.000 Pcs. / CARTON
C-1302	Orange Plastic Security Seal, Long Model	5.000 Pcs. / CARTON
C-1303	Green Plastic Security Seal, Long Model	5.000 Pcs. / CARTON
C-1203	Blue Plastic Security Seal, Long Model with Steam Indicator	5.000 Pcs. / CARTON
C-1204	Red Plastic Security Seal, Long Model with Steam Indicator	5.000 Pcs. / CARTON
C-1304	Yellow Plastic Security Seal, Long Model with Steam Indicator	5.000 Pcs. / CARTON
C-1305	Orange Plastic Security Seal, Long Model with Steam Indicator	5.000 Pcs. / CARTON
C-1306	Green Plastic Security Seal, Long Model with Steam Indicator	5.000 Pcs. / CARTON

### Sterilization Container Self Adhesive Seals



Container seal labels have been specially designed to safeguard the container from being opened by unauthorized personnel. The function of the container label is to safeguard and mark containers.

- \* Water-based and non-toxic chemical indicator is used.
- $\star$  It is easy to read and interpret.
- $\star$  Compatible with ISO 11140-1.
- \* Different designs are made for the company/person on request.
- \* Self-Adhesive versions can be used as a permanent record for traceability purposes.
- \* Non-Self-Adhesive versions are available on request.



PRODUCT SIZE: 140 X 30 mm



Unglue the tail section on the self-adhesive label.



Pass it through the lock section of the container.



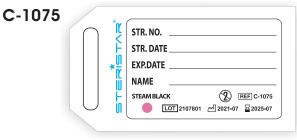
The label is locked with the adhesive feature. For archiving, fill in the corresponding locations on the label.

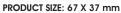
REF NO	DESCRIPTION	PACKAGING
C-1074	Self Adhesive Container Seal with Steam Indicator (Pack of 100)	50 Packs / CARTON

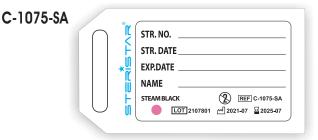
# Sterilization Container Labels

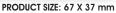
Sterilization container labels are designed to be used in the pocket of the containers. Two kinds of container labels are available as self-adhesive and non-self-adhesive label. It is easy to understand whether sterilization has been performed because of the indicators on the label.

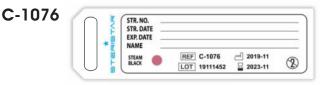
- \* Water-based and non-toxic chemical indicator is used.
- $\star$  It is easy to read and interpret.
- $\star$  Compatible with ISO 11140-1.
- \* Different designs are made for the company/person on request.
- \* Self-Adhesive versions can be used as a permanent record for traceability purposes.











PRODUCT SIZE: 58 X 17 mm

REF NO	DESCRIPTION	PACKAGING
C-1075	Sterilization Container Label with Steam Indicator (Pack of 100)	60 Packs / CARTON
C-1075-SA	Self Adhesive Sterilization Container Label with Steam Indicator (Pack of 100)	60 Packs / CARTON
C-1076	Sterilization Container Label with Steam Indicator, Small (Pack of 100)	80 Packs / CARTON

# **Permanent Pens for Tracebility**



It is a wipe-resistant pen used when marking pre-sterilization packages or sterile loads that are wrapped with equipment such as autoclave tape. These pens are resistant to sterilization. 1 millimeter line thickness allows you to write comfortably and read easily. Different color options are available to diversify the marking.



REF NO	DESCRIPTION	PACKAGING
RD-1001	Permanent Pens for Tracebility, 1 mm type, RED (Pack of 20)	50 Packs / CARTON
GR-1001	Permanent Pens for Tracebility , 1 mm type, GREEN (Pack of 20)	50 Packs / CARTON
BK-1001	Permanent Pens for Tracebility , 1 mm type, BLACK (Pack of 20)	50 Packs / CARTON
BL-1001	Permanent Pens for Tracebility , 1 mm type, BLUE (Pack of 20)	50 Packs / CARTON

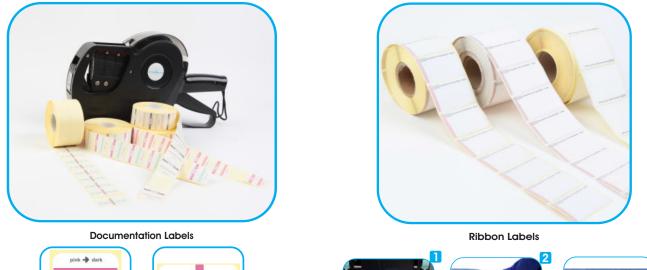
# **Sterilization Documentation Label and Labeler**

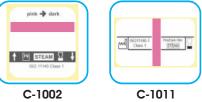


Documentation Labels are double-side self-adhesive labels with chemical indicators designed for track and control sterilization processes. Compatible with all manual traceability systems, it is very suitable to hospital, clinic and for both large and tabletop sterilizers. The highest technology and best materials are used. Labeler has 3 lines with each has 10 digits.

Compatible with 24 x 26 mm labels.

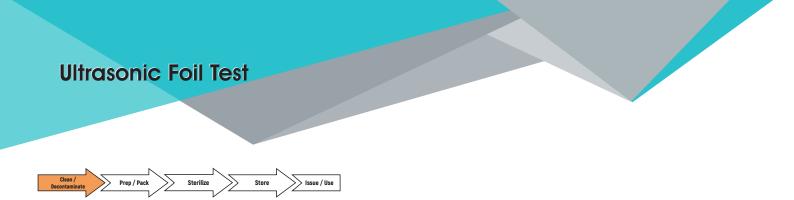
- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- \* Compatible with ISO 11140-1.
- \* Double side self-adhesive labels designed for track and control sterilization processes.
- \* 2-line, 3-line labels and ribbon labels are available.





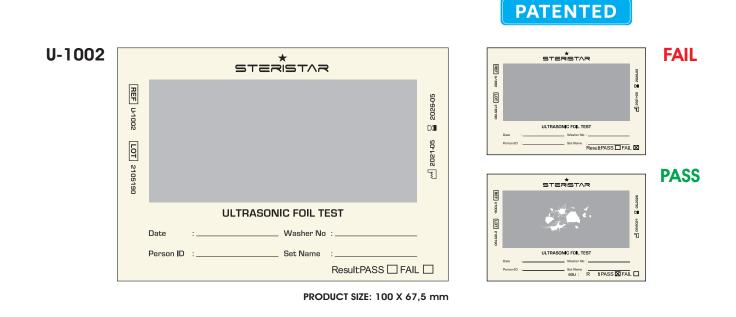


REF NO	DESCRIPTION	PACKAGING
C-1003	3 Lines Handlabeler	-
C-1002	Steam 3 Line Documentation Label (700 pcs. of Roll)	24mm x 26mm
C-1004	Steam 3 Line Documentation Label (700 pcs. of Roll)	26mm x 28mm
C-1011	Steam 2 Line Documentation Label (700 pcs. of Roll)	17mm x 34mm
C-1012	Ribbon Label (500 pcs. of Roll)	35 mm x 57mm
C-1013	Ribbon Label (500 pcs. of Roll)	35mm x 67mm
C-1014	Ribbon Label (500 pcs. of Roll)	48mm x 70mm
C-1015	Ribbon Label (500 pcs. of Roll)	50mm x 70mm



Ultrasonic foil tests consist of foil-based material. If the appliance operates correctly, the cavitation energy emitted from sources will dismember the foil inside the frame. The wash test should be used daily and weekly and the results should be recorded. There are areas on the product that can be filled in so that the results can be recorded.

- \* It is easy to read and interpret.
- \* Suitable for archiving.
- **\*** Compatible with 15883-5.
- \* Patented Design.





PRODUCT SIZE: 100 X 67,5 mm

REF NO	DESCRIPTION	PACKAGING	
U-1002	Ultrasonic Foil Test (Pack of 50)	40 Packs / CARTON	
HLD-1002	Holder for U-1002	45 Pcs. / CARTON	

# **Ultrasonic Washer Test**



Ultrasonic Washer Tests consist of a clear vial filled with reactive blue colored solution and glass beads. The device monitors the cavitation capacity of the ultrasonic washer. When functioning correctly, the vibration of glass pearls will trigger a color change to a yellow color. Ultrasonic Washer Tests do not require a special holder to be used. The washer test should be checked daily and weekly than the results should be recorded.

- $\star$  It is easy to read and interpret.
- $\star$  Labels are included in the box so that they can be archived.
- \* Compatible with ISO 15883-5.



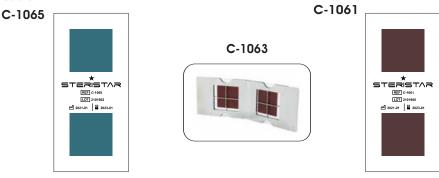


Washer Disinfector Efficiency and Ultrasonic Efficiency Control Test



Designed for monitoring washer and ultrasonic washer device efficiency. Stainless Steel Frame can be used for both of them as a holder.

- \* Ready to use (single-use product).
- \* The test provides efficient and reliable results.
- \* It is easy to read and interpret.
- \* Compatible with ISO 15883-5.



PRODUCT SIZE: 47 X 100 mm

PRODUCT	SIZE:	47	Х	100	mn

REF NO	DESCRIPTION	PACKAGING
C-1061	Washer Disinfector Efficiency Control Test (Pack of 100)	50 Packs / CARTON
C-1063	Stainless Steel Frame for C-1061 & C-1065	20 Pcs. / CARTON
C-1065	Ultrasonic Efficiency Control Test (Pack of 100)	50 Packs / CARTON

# Washer Tag with Washer Disinfector Cleaning Efficiency Test Soil

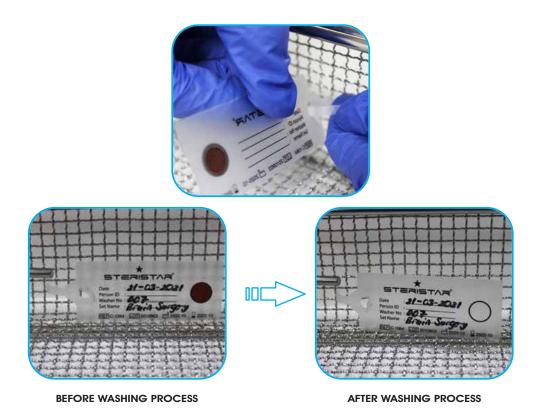


Washer Tags are designed to be used as a tag to identify if the tray is washed or not.

- $\star$  Ready to use (single-use product).
- $\star$  The test provides efficient and reliable results.
- ★ It is easy to read and interpret.
- **\*** Suitable for archiving.
- \* An important advantage is that information about which set is in it can be read without mixing the tray.
- **\*** Patented Design.

	PATENTED
C-1064	*
1	STERISTAR
	Date     :       Person ID     :       Washer No     :
	Set Name : REF C-1064 LOT 2101903 때 2021-01 집 2023-01

PRODUCT SIZE: 140 X 30 mm



REF NO	DESCRIPTION	PACKAGING
C-1064	Washer Tag with Washer Disinfector Cleaning Efficiency Test (Pack of 100)	50 Packs / CARTON

# **Test Soil and Stainless Steel PCD**



Test Soil is used for daily control and validation of the washer disinfectors. It is made from steel and has a coating that simulates human blood. When it is used with Stainless Steel PCD which is like a steel box with holes and a spring, they simulate a joint of medical equipment.

- \* Ready to use (single-use product).
- \* The test provides efficient and reliable results.
- \* The coating on the test simulates human blood.
- \* It is easy to read and interpret.





PRODUCT SIZE: 20 X 6 mm

REF NO	DESCRIPTION	PACKAGING
C-1060	Stainless Steel Washer Disinfector Efficiency Test (Pack of 100)	700 Packs / CARTON
C-1062	Stainless Steel PCD Apparatus for C-1060	20 Pcs. / CARTON

#### Cannulacheck & Cannulacheck Test Apparatus



Cannulacheck can be considered as a kind of simulation which performs like dried blood on long stainless steel placed inside hollow closed metal as same as hollow instruments of minimally invasive surgery. With its closed stainless-steel system, the cleaning performance of washers can be tested whether their performance enough to reach inside of hollow instruments.

After the washing cycle, the test must be visually clean. If it is not; the washing cycle must be repeated.

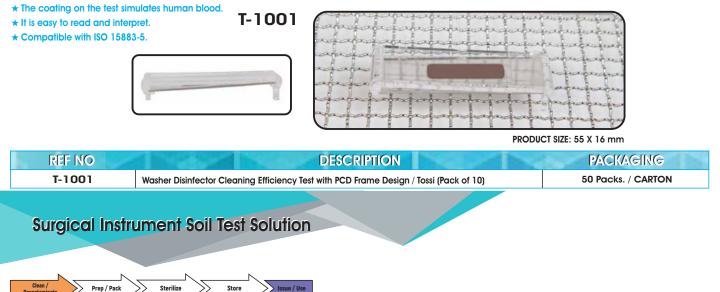
#### \* Ready to use . T-1003 \* Test is a single-use product and the tube is reusable. \* The test provides efficient and reliable results. \* It is easy to read and interpret. T-1002 PRODUCT SIZE: 45 X 62 mm **REF NO** DESCRIPTION PACKAGING T-1002 60 Packs / CARTON Washer Tag with Washer Disinfector Cleaning Efficiency Test Soil (Pack of 50) T-1003 20 Pcs. / CARTON Cannulacheck PCD

# Washer Disinfector Cleaning Efficiency Test



Washer Disinfector Cleaning Efficiency Test enables you to verify the cleaning efficacy of washer-disinfectors during routine operation check. The routine use of this test will help ensure that your washer is performing at a consistent level, enhancing the routine visual inspection of instruments. If unfavorable results do occur, users must check quality / quantity of detergent, cleaning time, temperature as well as the general condition of the washer.

- $\star$  Ready to use (single-use product).
- $\star$  The test provides efficient and reliable results.
- ★ Transparent cover to enable visual check.
- ★ Test made from steel and it has a plastic container that enables the user to hang the test on the washer-disinfectors.



Inefficient cleaning can put disinfection and sterilization procedures at risk. A poorly functioning washer-disinfector can leave behind microscopic debris that can severely compromise both the disinfection and sterilization process. One of the best and easiest ways to check whether instruments are being cleaned effectively is to present the cleaning equipment with a physical challenge such as the cleaning efficacy tests. Surgical Instrument Soil Test Solution is designed impurities that occur during operating room use and are equivalent to human blood.

The red color of the Surgical Instrument Soil Test Solution allows easy identification of areas that have not been properly cleaned, providing a visual analysis of equipment efficiency.



# Sms Sterilization Wrap

SMS wrapping paper consists of three non-woven polypropylene fabric layers and can be used either as the inner or outer wrapping of medical devices and trays. The spunbond layers (S) provide good filtration properties, tensile strength and are fluid repellent while the meltblown layers (M) ensure strong bacterial barrier properties with very small porous size. SMS wraps as single or double wrapped are suitable for steam, ethylene oxide and hydrogen peroxide plasma sterilization methods.

#### \* Ready to use (single-use product).

 $\star$  The test provides efficient and reliable results.



REF NO	DESCRIPTION	PACKAGING
SMS-4040	SMS Sterilization Wrap 40cm x 40cm	125 Pcs. / CARTON
SMS-5050	SMS Sterilization Wrap 50cm x 50cm	125 Pcs. / CARTON
SMS-6060	SMS Sterilization Wrap 60cm x 60cm	125 Pcs. / CARTON
SMS-7575	SMS Sterilization Wrap 75cm x 75cm	125 Pcs. / CARTON
SMS-9090	SMS Sterilization Wrap 90cm x 90cm	125 Pcs. / CARTON
SMS-100100	SMS Sterilization Wrap 100cm x 100cm	125 Pcs. / CARTON
SMS-100120	SMS Sterilization Wrap 100cm x 120cm	125 Pcs. / CARTON
SMS-120120	SMS Sterilization Wrap 120cm x 120cm	125 Pcs. / CARTON
SMS-120150	SMS Sterilization Wrap 120cm x 150cm	125 Pcs. / CARTON

# Ethylene Oxide and Gamma Round Adhesive Indicators



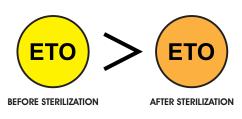
EO indicator is designed to show a visible color change for the ethylene oxide sterilization process. When ethylene oxide undergoes a successful sterilization process, the yellow color turns brown. Gamma indicators are the labels designed to indicate that the item has undergone sufficient gamma irradiation. When a successful gamma sterilization process occurs, the orange color turns brown.

\* Water-based and non-toxic chemical indicator is used.

\* Because it's self adhesive, it can stick on product packs easily.



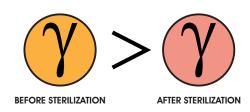




PRODUCT DIAMETER: 15 mm



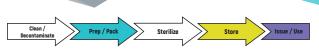




PRODUCT DIAMETER: 15 mm

REF NO	DESCRIPTION	PACKAGING
SAE-1500	Ethylene Oxide, Round, Self Adhesive Indicator (1000 pcs. of Roll)	30 Roll / CARTON
SAG-1500	Gamma, Round, Self Adhesive Indicator (1000 pcs. of Roll)	30 Roll / CARTON

## **PROTECTORS for Surgical Instruments**



Protectors are used to reduce the risk of damage to the sterilization packaging material during the sterilization process and to fix sharp tools. Some medical devices and surgical tools are a little bit sensitive than the others therefore requires even precision care. The protectors are designed to protect small sharp and fragile surgical instruments during the sterilization process.

- \* It protects sterilization packing material.
- \* It has a transparent film pocket to protect sharp ends and edges.
- \* It is suitable for steam sterilization process.





REF NO	DESCRIPTION	PACKAGING
P-1480	Protector for Surgical Instruments with Steam Indicator (S) 14cm x 8cm	40 Packs / CARTON
P-1689	Protector for Surgical Instruments with Steam Indicator (M) 16cm x 8,9cm	35 Packs / CARTON
P-1910	Protector for Surgical Instruments with Steam Indicator (L) 19,8cm x 10cm	25 Packs / CARTON
P-2512	Protector for Surgical Instruments with Steam Indicator (XL) 25cm x 12,5cm	10 Packs / CARTON





Seal Test is used to control the sealing machine whether if it meets the sealing standards or not. Seal test; visibly show the sealing machine results and quality so that the sealing problems can be found quickly and can be used to ensure the sealing parameters, requirements and the quality.

- \* Water-based and non-toxic chemical indicator is used.
- \* It is easy to read and interpret.
- $\star$  Compatible with ISO 11607.

	C-100	01									
		Temperature Temperatur Température	Pressure Druck	Speed Geschwindigkeit Vitesse N m/mi	Sealer Siegelgerät Soudeuse	Counter Zählerstand Compteur	Date Datum Date	Approval Freigabe Autorisation	Signature Unterschrift Signature		
		STER				TEST		hvedik CLS B Ağacı İşler 06378 W	EIN, VE NIR, SAN, VE TIS, LTD, STJ. Sines, ISBI-Solva No.00 Yeninahole AveCARA / TORK/YE www.akeribilar.com 21 & 22 F: 490 312 952 02 19		
							PR	ODUCT SIZE: 2	:00 X 65 mm	-	
NO I	-		20		DESCRIP	TION	Contraction of the		-	PACKAGING	
1001		Seal Test f	or Rotary S	Sealers (Pac	ck of 100)					50 Packs / CARTO	Ν

REF C-1

# Sterilization Rolls and Bags



#### Flat and Gusseted Sterilization Rolls & Pouches

Flat and Gusseted Sterilization Rolls & Pouches can be used as sterilization package for medical devices, quick and secure closing of a pack with a heat sealer, suitable for packaging extra long products or creating individual pouches of special length.

\* All prints are made using water-based ink inside the 11 mm edge weld outside the packing area to prevent pigment miscellation.

- \* The Transparent multi-layer co-polymer film makes it easy to see the tools inside the packaging.
- \* It can be easily turned off with all kinds of set-top rotary sealer.
- \* It opens clean, the opening direction is specified.

\* Water-based, non-toxic chemical indicator is used and it's compatible with ISO 11140.



Flat Sterilization Roll

REF NO	DESCRIPTION	PACKAGING
SDR-50200	Flat Sterilization Roll	5cm x 200M
SDR-10200	Flat Sterilization Roll	10cm x 200M
SDR-20200	Flat Sterilization Roll	20cm x 200M
SDR-30200	Flat Sterilization Roll	30cm x 200M
SDR-35200	Flat Sterilization Roll	35cm x 200M
SDR-45200	Flat Sterilization Roll	45cm x 200M
SDR-60200	Flat Sterilization Roll	60cm x 200M

#### There are also different sizes. You can contact with us to find out.

REF NO	DESCRIPTION	PACKAGING
SDP-7520	Flat Sterilization Pouch	7,5cm x 20cm
SDP-1520	Flat Sterilization Pouch	15cm x 20cm
SDP-2025	Flat Sterilization Pouch	20cm x 25cm
SDP-2540	Flat Sterilization Pouch	25cm x 40cm
SDP-3045	Flat Sterilization Pouch	30cm x 45cm
SDP-4060	Flat Sterilization Pouch	40cm x 60cm
SDP-5060	Flat Sterilization Pouch	50cm x 60cm

#### There are also different sizes. You can contact with us to find out.

REF NO	DESCRIPTION	PACKAGING
SGR-75100	Gusseted Sterilization Roll	7,5cmx 100M
SGR-10100	Gusseted Sterilization Roll	10cm x 100M
SGR-15100	Gusseted Sterilization Roll	15cm x 100M
SGR-20100	Gusseted Sterilization Roll	20cm x 100M
SGR-30100	Gusseted Sterilization Roll	30cm x 100M
SGR-40100	Gusseted Sterilization Roll	40cm x 100M

There are also different sizes. You can contact with us to find out.

# Sterilization Rolls and Bags





Tyvek Heaa r Bag protects the product and extends its post-processing sterilized shelf life. Some medical devices and procedure kits are packaged in film-film packages or foil pouches because they require a barrier to light, oxygen or moisture. These packaged medical devices and procedure kits can not be sterilized with EO, Gamma and Plasma sterilization procedures without the use of a Tyvek Header Bag.

\* The 100 mic. with translucent multi-layer PE film makes it easy to see the tools in the packaging.

- ★ Non-toxic, high-resistance film is used.
- ★ It opens clean, does not remove particles.
- ★ The plated Tyvek window has high gas permeability.
- ★ Suitable for EO , Gamma and Plasma sterilizations.



**TYVEK Header Bag** 

REF NO	DESCRIPTION	PACKAGING
STH-2535	TYVEK Header Bag	25cm x 35cm
STH-3045	TYVEK Header Bag	30cm x 45cm
STH-3550	TYVEK Header Bag	35cm x 50cm
STH-4055	TYVEK Header Bag	40cm x 55cm
STH-4060	TYVEK Header Bag	40cm x 60cm
STH-5070	TYVEK Header Bag	50cm x 70cm



Tyvek is a long-life packing material that resists tearing and puncture. Tyvek Sterilization Roll & Pouch can be used as a sterilization package for medical devices, quick and secure closing of a pack with a heat sealer.

- \* It's anti-allergenic and anti-bacterial. It's water-proof.
- \* This is the ideal sterilization package for your sterile products, which must be carefully packed with these features.
- \* Suitable for EO, Gamma and Plasma sterilizations.
- \* Steam sterilization is also applied under controlled conditions.



**Tyvek Sterilization Roll** 

# Sterilization Rolls and Bags



REF NO	DESCRIPTION	PACKAGING
STR-0570	TYVEK Sterilization Roll	5cm x 70M
STR-7570	TYVEK Sterilization Roll	7,5cm x 70M
STR-1570	TYVEK Sterilization Roll	15cm x 70M
STR-2070	TYVEK Sterilization Roll	20cm x 70M
STR-2570	TYVEK Sterilization Roll	25cm x 70M
STR-3570	TYVEK Sterilization Roll	35cm x 70M
STR-5070	TYVEK Sterilization Roll	50cm x 70M

There are also different sizes. You can contact with us to find out.

REF NO	DESCRIPTION	PACKAGING
STP-7520	TYVEK Sterilization Pouch	7,5cm x 20cm
STP-1030	TYVEK Sterilization Pouch	10cm x 30cm
STP-1530	TYVEK Sterilization Pouch	15cm x 30cm
STP-2035	TYVEK Sterilization Pouch	20cm x 35cm
STP-2535	TYVEK Sterilization Pouch	25cm x 35cm

# Medical Crepe Paper

Medical crepe paper is used as a packaging material for itemsto be sterilized. Medical crepe paper forms a mique barrier due to the special porous arrangement, which allows the medium such as steam to penetrate into the bag flexibly and effectively isolate bacteria and other microorganisms, so it can be stored for a long time without being contaminated.

\* The crepe paper is used for winding all heavy tools. Suitable for steam and ethylene oxide sterilization methods.
\* Made of pure cellulose without additives. It's porous and permeable.

REF NO	DESCRIPTION	PACKAGING
SCR-3030	Standard Crepe	30cm x 30cm
SCR-4040	Standard Crepe	40cm x 40cm
SCR-5050	Standard Crepe	50cm x 50cm
SCR-9090	Standard Crepe	90cm x 90cm
SCR-100100	Standard Crepe	100cm x 100cm
SCR-120120	Standard Crepe	120cm x 120cm

There are also different sizes and color options. You can contact with us to find out.

#### Self Adhesive Sterilization Bag

Self Adhesive Sterilization Bag is used as a packaging material for items to be sterilized. The packaging closure section and its adhesive feature make it easy to set the closure area and do not require a rotary sealer.

\* Water-based, non-toxic chemical indicator is used.

 $\star$  Compatible with ISO 11140 standards.

REF NO	DESCRIPTION	PACKAGING
SAP-7524	Self Seal Sterilization Pouch	7,5cm x 24cm
SAP-1020	Self Seal Sterilization Pouch	10cm x 20cm
SAP-2030	Self Seal Sterilization Pouch	20cm x 30cm
SAP-3045	Self Seal Sterilization Pouch	30cm x 45cm
SAP-4050	Self Seal Sterilization Pouch	40cm x 50cm
SAP-5060	Self Seal Sterilization Pouch	50cm x 60cm

There are also different sizes. You can contact with us to find out.

# **Certifications**





# Let's meet the science with us!

