



**AVIMAXX**  
Innovation for Humanity



**INFECTION CONTROL & MONITORING  
SOLUTIONS FOR HEALTH CARE**

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# Product Portfolio



## ABOUT US

an **ISO 9001-2015** has been a trusted name in the field of Sterilization Packaging Material and Monitoring Controls .

**Our products comply to all essential standards like**

- ISO 13485
- ISO 11140
- ISO 11138
- CE



## WHAT WE DO?



Our products are specialized towards the Infection Control solutions to be used in the Hospitals and Pharma Companies

## BRANDS

- STERIPRO
- PROPACK
- STERINTECH
- HAWO
- ANTRIX
- STERIECO



## STERIPRO STERILIZATION PACKAGING REELS

- The STERIPRO Sterilization Packaging Reels are a complete packaging solution to protect the various Medical Devices and Instruments from contamination of Bacteria .

**Salient Features :** Made from Billerud Kornas Paper and PET/PP Multilayer Copolymer Film

- Meets EN 868-5 Standard of Sterilization
- Water Based Lead free Process Indicators for both Steam and EO
- Manufactured in an ISO 9001:2008 Plant & CE Complaint Plant



### Sizes Available

SP050200	5 cm x 200mtrs	SP200200	20 x 200mtrs
SP750200	7.5 cm x 200mtrs	SP250200	25 x 200mtrs
SP100200	10 cm x 200mtrs	SP300200	30 x 200mtrs
SP125200	12.5 x 200mtrs	SP350200	35 x 200mtrs
SP150200	15 x 200mtrs	SP400200	40 x 200mtrs

## PROPACK TYVEK FLAT REELS

The PROPACK Tyvek Flat Reels are a packaging solution for PLASMA- Hydrogen Peroxide Sterilization.

**Salient Features :**

- Made from Original Dupont Paper
- Uses NAMSA ,USA Ink
- All rolls are of standard 70 mtr length
- Manufactured in an ISO 9001:2008 Plant & CE Complaint Plant



### Sizes Available

SP050070	5 cm x 70mtrs	SP200200	20 x 70mtrs
SP750070	7.5 cm x 70mtrs	SP250200	25 x 70mtrs
SP100070	10 cm x 70mtrs	SP300200	30 x 70mtrs
SP125070	12.5 x 70mtrs	SP350200	35 x 70mtrs
SP150070	15 x 70mtrs	SP400200	40 x 70mtrs

## STERIPRO WRAPS

The **STERIPRO** Wraps are a range of Non Woven SMS Fabric which is used for wrapping heavier items .

Infection Prevention is a key word in any health care set up. SMS Non Woven Fabrics are an essential for both Sterility assurance and Infection Prevention.

### Salient Features :

- Two Qualities available – ECO version and SPL version
- The ECO is a 43 gsm fabric whereas the SPL is a 50 gsm fabric
- Water and Alcohol Repellent
- Compatible to STEAM ,EO and PLASMA Sterilization
- Sizes Available in both ECO and SPL
- All packs are of standard 100 sheets



### Sizes Available

SP050050	50 cm x 50 cm
SP060060	60 cm x 60 cm
SP075075	75 cm x 75 cm
SP090090	90 cm x 90 cm
SP100100	100 cm x 100 cm
SP120120	120 cm x 120 cm
SP150150	150 cm x 150 cm

## STERINTECH BOWIE DICK SYSTEMS

The Bowie Dick Test Pack has been a standard test for Hospital Steam Sterilizers since 1963.

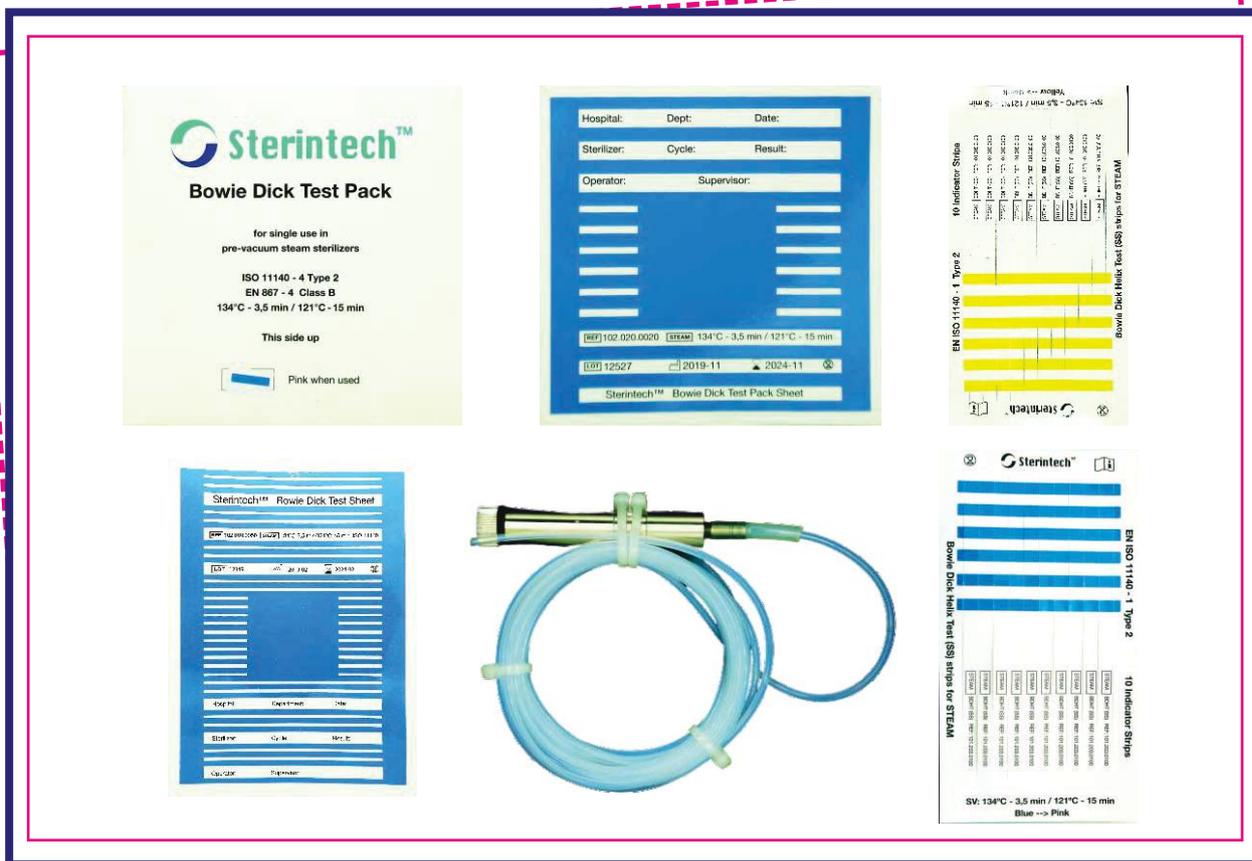
At the beginning of every working day the Bowie Dick Test Pack needs to be used to test the performance of each (pre-vacuum) steam sterilizer. At a successful completion of the Bowie Dick Test Cycle the Steam sterilizer can be released for usage during the day.

**STERINTECH** has a wide range of Bowie Dick Test Systems depending on the requirement of the hospital.

**Bowie Dick Test Pack** is a single use pack which can be directly placed into the sterilizer. It changes colour from Blue to Violet/Pink

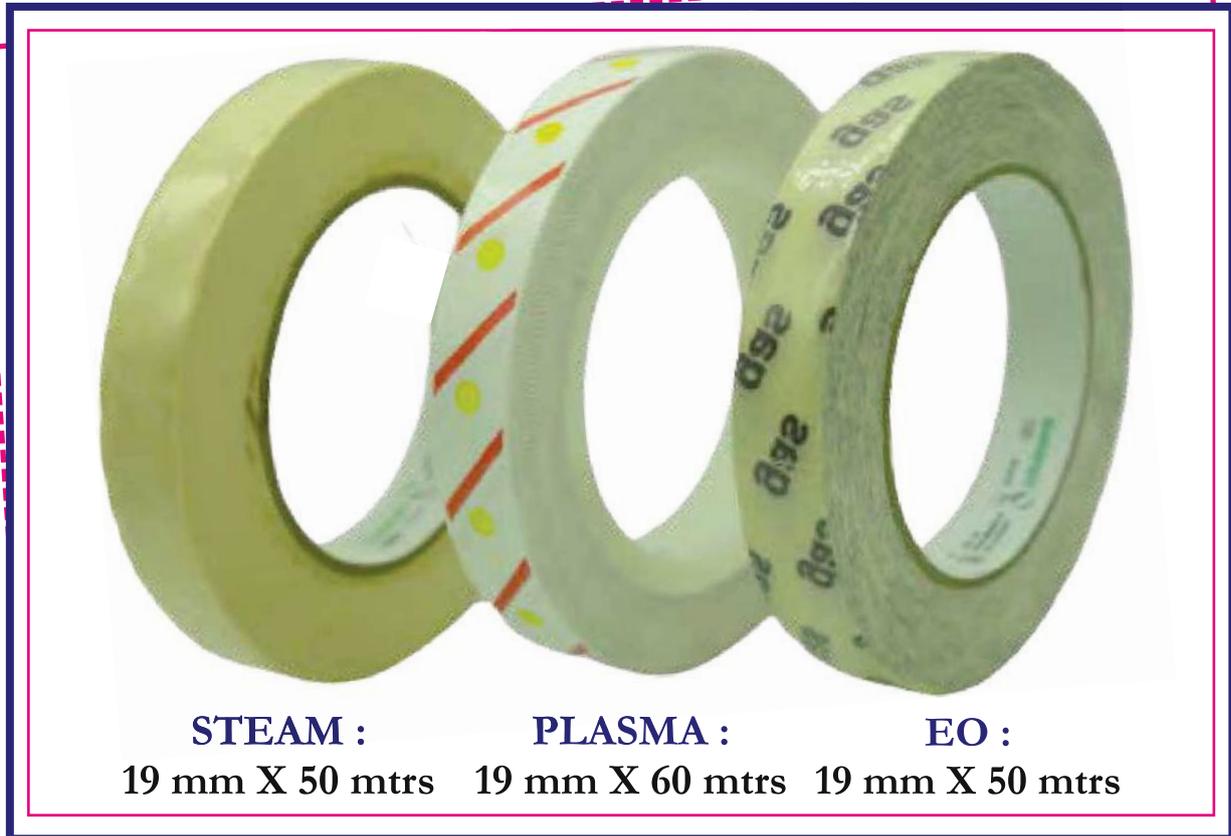
**Bowie Dick Test Sheet** is a sterilizer testing system where a pack has to be made with Towels on both side, which provide resistance to the Steam to penetrate. The Sheet also changes colour from Blue to Violet/Pink.

**Bowie Dick Test Strip** is a product which needs to be used along with a 4 mtr Bowie Dick Helix Device. There are 2 variants in the same – one changes colour from Blue to Violet/Pink and the other one which is a more sensitive - Yellow to Black



## STERINTECH PROCESS INDICATOR TAPES

The Sterintech Process Indicator Tapes are used to tape the packaging materials of wrapped instrument trays. Next to a good stickiness, the tapes, also provide in a ISO 11140 - 1 complaint indicator to distinct processed and unprocessed instrument trays.



### AUTOCLAVE TAPES :

The Sterintech White Steam tapes are used to tape the packaging materials of wrapped instrument trays. Next to a good stickiness the White Steam tapes also provide a ISO 11140 - 1 Type 1 steam indicator to distinguish processed and unprocessed instrument trays. The tape materials are produced in accordance with our ISO 13485 based procedures. All working instructions and checking methods are laid-down in our Quality Assurance system which is audited twice a year internally and once year by external auditors.

### EO TAPES :

The Sterintech EO tapes are used to tape the packaging materials of wrapped instrument trays which are sent for EO sterilization . All chemical indicator inks used for the production are water-based , environmental friendly inks .Chemical indicators do not contain any heavy metals nor toxic substances .The tape material glue is not containing Natural Rubber Latex .

### PLASMA TAPES:

The Sterintech™ Plasma tapes are used to tape the packaging materials of wrapped instrument trays to be sterilized in a plasma cycle .The colour change of the tape is from Red to Yellow .

The **STERINTECH BATCH CONTROL HELIX TEST** (or BCHT in short) is a test which is recommended by the Dutch RIVM, German Robert Koch Institute and specified in the EN 285 Amendment A;2009 as a Sterilization performance test.

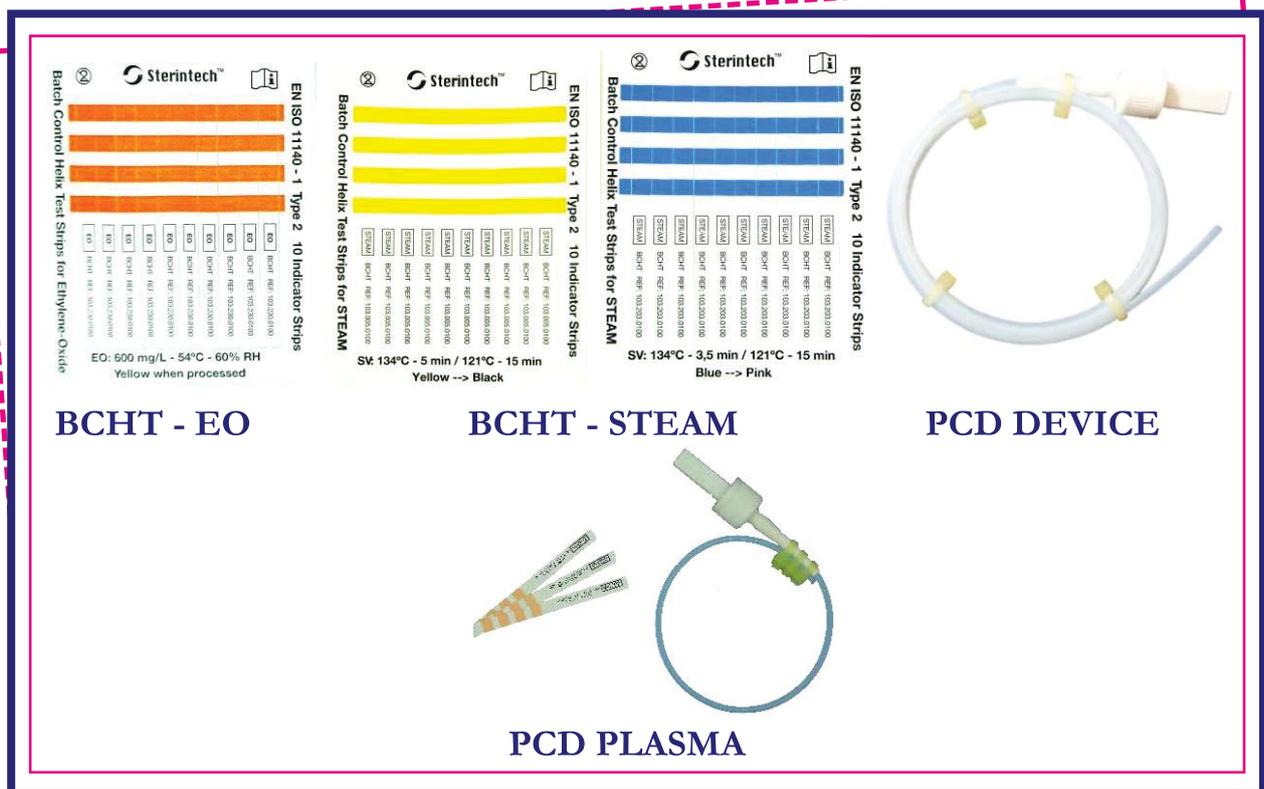
Standard description of a Process Challenging Device consists of a Chemical Indicator Holder connected to a 1.5 mtr long tube. When used in every cycle the BCHT is helpful in detecting early failures during the sterilization cycles.

Failure which are picked-up by the BCHT are:

- Sterilization temperature too low
- Sterilization holding time too short
- Insufficient vacuum in depth and in number of vacuum pulses.
- Insufficient air removal
- Insufficient steam penetration
- Leakage of piping / valves / door seals
- Detection of presence of small volume inert gases in steam supply.
- Detection of excessive amounts of condensate

The **STERINTECH BCHT**'s are classified as

- STEAM – Colour change – Yellow to Black (OR) Blue to Pink
- EO – Colour Change – Orange to Yellow
- PLASMA – Colour Change – Red to Yellow



**EN ISO 11140 - 1 Type 2 10 Indicator Strips**  
EO: 600 mg/L - 54°C - 60% RH  
Yellow when processed

**EN ISO 11140 - 1 Type 2 10 Indicator Strips**  
SV: 134°C - 5 min / 121°C - 15 min  
Yellow -> Black

**EN ISO 11140 - 1 Type 2 10 Indicator Strips**  
SV: 134°C - 3.5 min / 121°C - 15 min  
Blue -> Pink

**BCHT - EO**

**BCHT - STEAM**

**PCD DEVICE**

**PCD PLASMA**

## STERINTECH INPACK INDICATORS

The sole reason to use in-pack indicators is to detect sterilization conditions inside packs, trays or containers. It serves as a proof of sterilization inside the packs and containers. STERINTECH In-pack indicators are ISO 11140 compliant and tested by an independent micro-biological laboratory. We provide In-pack indicators for Steam, Ethylene-Oxide and Plasma sterilization

After opening the pack in the operating room, the color of the indicators can be evaluated. The Indicators can be stored as evidence on the patient file.

## STEAM

Type 6 Emulator	121 C – 15 min 134 C – 3.5 min	Box of 500 strips
Type 5 Moving Front Integrator	121 C – 20 min 134 C – 3.5 min	Pac of 100 strips
Type 5 Chemical Indicator	121 C – 15 min 134 C – 3.5 min	Box of 500 strips
Type 4 Chemical Indicator	121 C – 15 min 134 C – 3.5 min	Pac of 250 X 2 strips

## EO

Type 5 Indicator	600 mg/1 EO concentration at 54°C - 60% RH	Box of 500 strips
Type 4 Chemical Indicator	600 mg/1 EO concentration at 54°C - 60% RH	Pac of 250 X 2 strips

## PLASMA

Type 4 Indicator	VH2O2 Penetration Check	Box of 200 strips
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# STERINTECH INPACK INDICATORS



**6**  
Type  
ISO 11140

**STEAM**

Man.: 2017 - 03  
Exp.: 2022 - 03  
Ref.: 106.303.0500  
Lot.: 11xxx

**Green = Sterilized**

**SV:** 121°C - 15 min.  
134°C - 3,5 min.

**Sterintech™** Integrator  
Type 5 / ISO 11140 - 1

**STEAM**

Dark bar must enter green accept area

REJECT ACCEPT

LOT 816 EXP 2021-08  
www.spmedikal.com

**5**  
Type  
ISO 11140-1

Ref.: 105.113.0500 Lot.: 11xxx  
134°C - 3,5 min  
121°C - 15 min

**STEAM**

Man.: 2019 - 02  
Exp.: 2024 - 02

**Sterintech™**

**4**  
Type  
ISO 11140-1

**STEAM**

Green = Processed

Man.: 2018-01  
Exp.: 2023-01  
Ref.: 104.204.0250  
Lot.: xxxxxxxx

**Sterintech™**

**5**  
Type  
EO

ISO 11140-1 : 2014

REF: or lighter

Man.: 2017-04  
Exp.: 2022-04  
Ref.: 105.030.0500  
Lot.: xxxxx

**Sterintech™**

**4**  
Type  
ISO 11140-1

**EO**

REF

Man.: 2015 - 07  
Exp.: 2020 - 07  
Ref.: 104.030.0250  
Lot.: xxxxxxxx

**Sterintech™**

**VH202**

Plasma Sterilization Indicator  
acc. EN ISO 11140 -1

**Sterintech™**

REF : 104.022.0200  
LOT : 11237  
Man.: 2013-05  
Exp. : 2018-05

= OK

## STERINTECH Labeling Solutions:

Proper documentation and the possibility to trace packed instrument trays and containers is essential in case of recalls . This also serves for Patient Record purposes.

**STERINTECH offers 2 and 3 line Labels** which can be used for the above purpose with a variety of Labeler Guns.

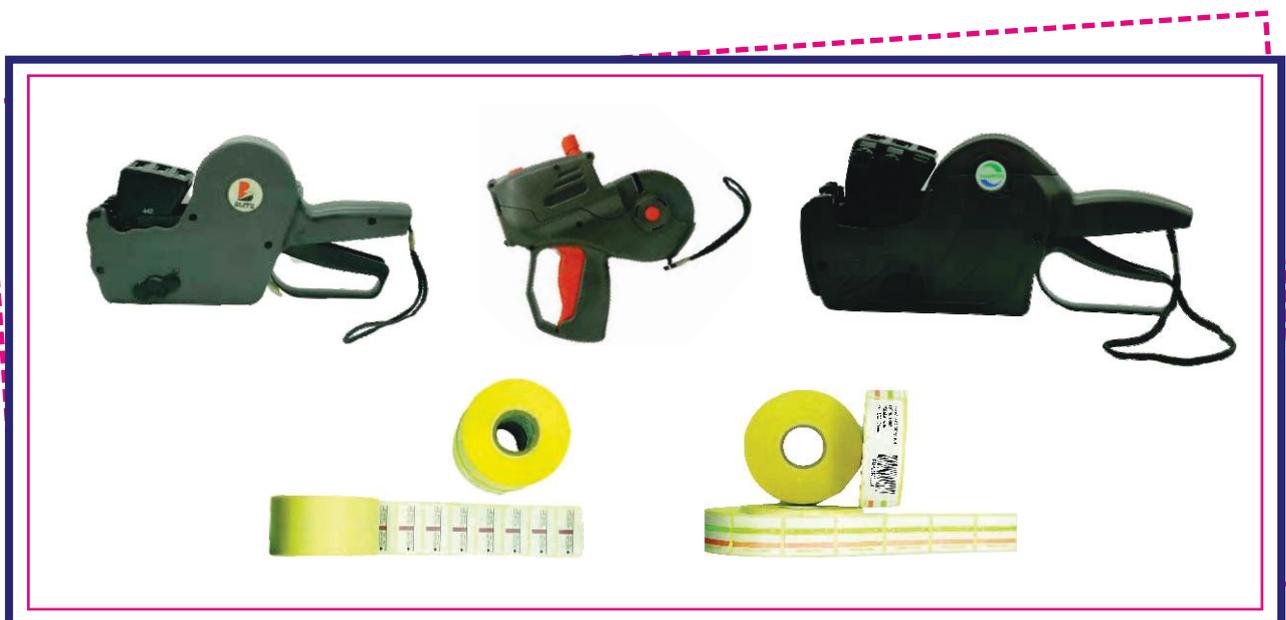
There are 3 types of Labeler Guns available with us

- Avery Dennison – Monarch Labeler – 3 liner
- Blitz Labeler – 3 liner
- 2 Liner Labeler

The labels are available for **STEAM** , Ethylene Oxide and **PLASMA – H2O2** sterilization for each labeler gun

## Ordering Information :

Monarch Labeler (603.003.0001)	STEAM (605.111.9000)	EO (605.031.9000)	PLASMA (605.021.9000)
Blitz Labeler (601.001.0001)	STEAM (606.010.7500)	EO (606.030.7500)	PLASMA (606.020.7500)
2 Liner Labeler (602.002.0001)	STEAM (602.011.9000)	EO (602.031.9000)	PLASMA (602.021.9000)



## STERINTECH Biological Indicators:

The **STERINTECH** Self Contained Biological Indicators are designed to comply with the ISO 11138 standard . Basically it is a bacillus inoculated strip or metal carrier which is packed together with ampoule inside the plastic vial and closed / sealed with a lid in which a small filter is placed.

The **STERINTECH SCBI's** are characterized by the following:

- **SCBI STEAM** : Geobacillus Stearothermophilus  
ATCC 7953 1x10<sup>6</sup> Spores per vial
- **SCBI EO** : Bacillus Atrophaeus  
ATCC 9372 1x10<sup>6</sup> Spores per vial
- **SCBI PLASMA** : Geobacillus Stearothermophilus  
ATCC 7953 1x10<sup>6</sup> Spores per vial

**STERINTECH** also offers a Digital Incubator for the incubation of the vials. It has self programmed modules for incubation of STEAM, EO and PLASMA Biological Indicators



**Digital Incubator**



**SCBI STEAM**



**SCBI PLASMA**



**SCBI EO**

## STERINTECH™ BI INSTANT SCBI FOR STEAM & PLASMA

The BI INSTANT™ is a unique kind of Biological indicator which is giving you a result within 20 seconds through the extracted enzymes reaction. No need for expensive incubators but a simple color reaction enables the enduser to determine a positive or negative BI. In addition the BI INSTANT™ is offering a normal Biological growth media result achieved within 1 hour by incubation.



REF: 107.100.0025 SCBI for STEAM, pop. 1x10E6 Unit: 25 pieces

REF: 107.200.0025 SCBI for Plasma, pop. 1x10E6 Unit: 25 pieces

### Characteristics:

- Biological Indicators conform to ISO 11138
- Spores: Geobacillus Stearothermophilus ATCC 7953 1x10E6 spores per vial
- Color change: Violet to Yellow (growth media) / 24 hrs (STEAM)

## STERINTECH™ SCBI-1 HOUR FOR STEAM & PLASMA

The Sterintech™ Quick Read-out Biological Indicators (SCBI) are intended to monitor the sterilization condition at specific places inside the load of a sterilizer. SP Medikal is recommending the use of a BI Helix device in combination with the SCBI in order to ensure that air removal and steam penetration is taking into the equation.



REF: 107.100.0050 SCBI for STEAM, pop. 1x10E6 Unit: 50 pieces

REF: 107.200.0050 SCBI for Plasma, pop. 1x10E6 Unit: 50 pieces

REF: 100.004.0001 BIS PCD with 1.5 mtr tube Unit: 1 piece

### Characteristics:

- Biological Indicators conform to ISO 11138
- Spores: Geobacillus Stearothermophilus ATCC 7953 1x10E6 spores per vial
- Color change: Violet to yellow (growth media)
- Quick Readout Incubator (220V) for 59°C / 1 hrs

## STERINTECH™ QUICK READ-OUT INCUBATOR

Intended use of the Sterintech™ Quick Read-out Incubator is to incubate and read-out the Sterintech™ Quick Read-out Self-Contained Biological indicators. The QR incubator is giving a read-out as from 3-5 minutes after the start of the incubation period. Once the QR Incubator is having a positive fluorescence reading the QR Incubator is printing out a report of the finding.

Other brands of Self-Contained Biological Indicators may be used with this incubator after consultancy with SP Medikal.

### Advantages

- Very quick read-out of fluorescence reaction (unsterilized BI's read within 5 minutes or less)
- Compact and light weight design: 25 x 15 x 8 cm - 1,35 kg (excl. power supply)
- Attractive price level.
- Full color touch-screen
- Built-in printer



## INFEKTOZYME MULTI

Enzymatic Neutral pH Pre-soak and Cleaner

### SILENT FEATURES

- Enzymatic cleaning product with disinfection properties against bacteria and viruses
- Rapid action with superior cleaning performance and low foaming
- Multi-enzymatic formulation that dissolves all types of bioburden like Protein, Lipids, Amyloids, Carbohydrates, Blood, Fat, Albumin, Mucopolysaccharides, etc.
- Prevents bio films which harbour bacteria, rendering them resistant against disinfectants
- Disinfection properties protect health workers while they clean soiled load
- Pleasant mint fragrance; no staining; no residue
- Neutral pH of diluted solution. Safe to use on expensive instruments
- Highly economical



## RUST REMOVER XR

Powerful Rust Remover For Medical Instruments

### SILENT FEATURES:

- Corrosion inhibitor prevents further corrosion and rusting of instruments
- Powerful formulation which creates a reduction reaction to remove rust stains rapidly and effectively
- Excellent compatibility with a wide range of materials to ensure complete care for all your medical instruments
- Dilution rate of just 10 % which makes the product very economical
- Rapid action in just 5-10 minutes
- Can be used on stainless steel, chrome, nickel and polyvinyl urethane surfaces
- Used for cleaning oxidized areas of metals as well as burns and spots caused by heat and biofilms on the surfaces



## SEKUMATIC IS - Lubrication Spray

- This is a professional preparation for the maintenance of surgical instruments
- It ensures proper functioning of the moving parts of clamps, pliers and other accessories
- It can be used after manual and machine washing and disinfection
- And can be used before and after the sterilization process.
- Application: Spray the tools with a small amount of liquid, especially mobile places.





**TOOTH BRUSH  
DOUBLE**



**INSTRUMENT  
BRUSH WIDE**



**TOOTH BRUSH  
NYLON**



**TOOTH BRUSH  
STEEL**



**INSTRUMENT BRUSH  
RIGID**



**INSTRUMENT BRUSH  
EXTRA RIGID**

## BRUSH OFF THAT STAIN ....

A new arrival under the STERINTECH™ product range for CSSD's. A selected set of pre-cleaning brushes to assist to get rid of hard to remove spots and stains.

REF.: 908.400.0006 Pre-Cleaning Brush Set Unit: 6 different brushes

- Instrument brush wide, white
- Instrument brush rigid, green
- Instrument brush extra rigid, blue
- Tooth brush nylon, blue
- Tooth brush metal, blue
- Tooth brush double sided, grey



**HAWO SEALING  
MACHINES**



**INSTRUMENT  
MARKING SHEETS**



**SEAL CHECKS**



**INSTRUMENT  
MARKERS**



**WATER SOLUBLE  
LAUNDRY BAGS**



**SURGEON GOWN**



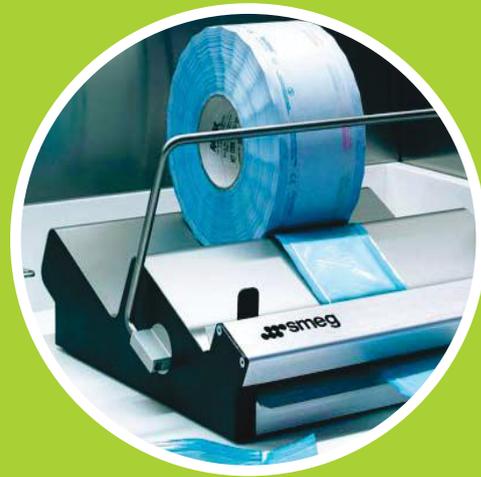
**MEDWIPES**



**EO CARTRIDGES**



**THERMOSEAL  
MASKING TAPES**



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