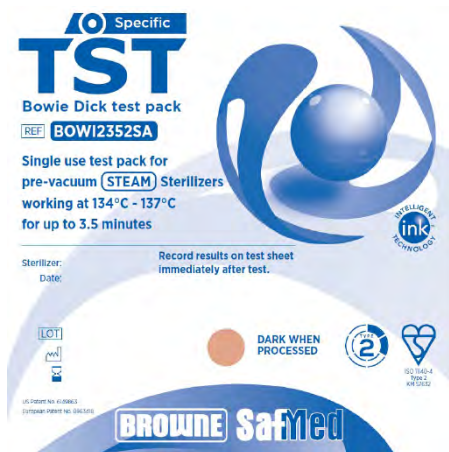


# SafMed

## Sterility Assurance Products Catalogue



# SafMed

Your solutions partner for **30 YEARS**

We specialise in providing solutions and products that improve the productivity and effectiveness in the CSSD, Operating Theatre & Endoscopy Unit.

From expert advice on new theatre or CSSD designs to providing the latest digital operating theatre and instrument tracking technology, we have the products and experience to offer meaningful value to our customers.



Process Improvement



Track, Trace & Asset Management



Digital Theatre Systems



CSSD & Operating Theatre Design Advice



Online & Classroom Based Education



CSSD & Operating Theatre Design Advice



Online & Classroom Based Education



Sterility Assurance



Decontamination



Customized Service Programs



Your solutions partner for **30 YEARS**

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[www.facebook.com/Safmed.SA/](http://www.facebook.com/Safmed.SA/)

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## SafMed Sterility Assurance Monitoring Products

SafMed offers a range of sterility assurance monitoring products to meet the needs of the CSSD. All STERIS sterility assurance monitoring products supplied by SafMed are CE marked and use Intelligent Ink Technology that shows a clear and easy to read color change after processing.

### Advanced TST Ink Technology

A unique formulation only available from STERIS

Responds only to the intended parameters in the presence of time, steam and temperature

**Clear colour change** Easy to interpret colour change from light colour to a dark colour

**EN ISO Standards** Meets the relevant indicator standards including ISO 11140-1 Type 6, that is much more accurate than Types 1 to 5

**Non-toxic** Free from lead and other heavy metals.

**Abrupt and precise endpoint**

Traditional ink colour change

Intelligent ink colour change

CHANGE OF COLOUR DENSITY WITH TIME

**Unused**

**Exposed**

Reference: STERIS 2021 Advanced TST Ink Technology [Infographic]

## Chemical Indicators

Indicator Type	Intended Use	SafMed Solution
<b>Type 1</b>	Process indicator for use on the exterior of packages.	Browne Formaldehyde Control Spots
<b>Type 2</b>	For use in specific test procedures, i.e. Bowie-Dick type test to check for proper air removal of pre-vacuum steam sterilizers.	Bowie-Dick Test Pack
<b>Type 4</b>	Multi-variable indicator that reacts to two or more critical variables.	MVI Steam & EO Indicators, Browne Formaldehyde Control Strip, Browne Sterilization Tubes (Yellow & Black)
<b>Type 5</b>	Integrating indicator that reacts to all critical variables and is equal in performance to a biological indicator, but does not replace routine biological monitoring.	Browne Steam Integrating Indicator
<b>Type 6</b>	Emulating indicator that reacts to all critical variables for a specified sterilization cycle.	TST Steam & Flash Indicators, Browne Sterilization Tubes (Blue, Green & White)

Reference:

ISO 11140-1:2014 Sterilization of Healthcare Products - Chemical Indicators: Part 1 - <https://www.iso.org/obp/ui#!iso:std:55080:en>

## Biological Indicators

<b>Steam</b>	Verify Biological Indicator Celerity 20 Steam Biological Indicator
<b>EO</b>	Verify Biological Indicator
<b>Formaldehyde</b>	Terragene Formaldehyde Biological Test
<b>VHP</b>	Celerity 20 HP Biological Indicator

**SafMed BROWNE FORMALDEHYDE CONTROL SPOTS**

The Browne Formaldehyde self-adhesive indicator spots are Type 1 indicators designed to be placed on the outside of every pack being sterilized in a low temperature steam formaldehyde (LTSF) sterilizer. Conforms with ISO 11140-1.

The Browne Formaldehyde indicator spots change color after processing, allow differentiation between processed and unprocessed loads.

**Features:**

- Colour changes from blue (unprocessed) to yellow (processed)
- Non-Toxic lead free ink
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 250 per/roll

[Click here to view the Instructions for Use.](#)



# SafMed BOWIE DICK



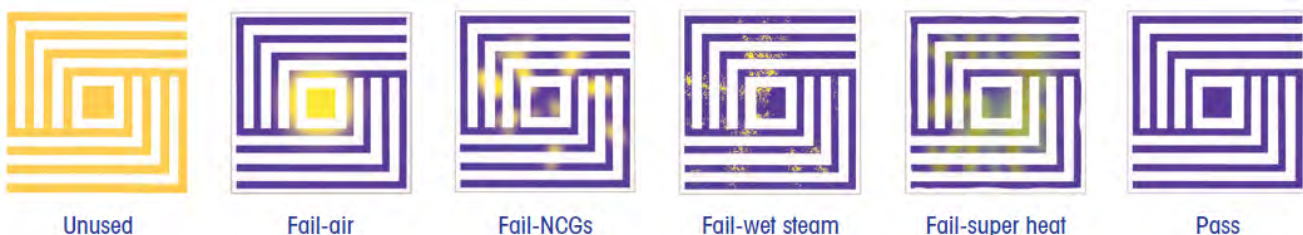
The Browne TST Bowie Dick Test Pack is a unique combination of advanced Browne Intelligent Ink Technology and the original Bowie Dick concept. Conforms to ISO 11140-4.

A successful test confirms that steam penetration into a test pack is rapid and even and, by implication, that air and other non-condensable gases have been effectively removed.

**Features:**

- Non-Toxic lead free ink
- Colour change from yellow to a uniform blue/purple
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 20

Click here to view the Instructions for Use.



**SafMed MVI Steam Indicator**

The Browne MVI Steam Indicator is a Type 4 multi-variable indicator for Steam sterilization. Designed to react to critical parameters of Time, Steam and Temperature for use in steam sterilization cycles. Monitors cycles of 134°C – 3 minutes and 121°C – 8 minutes. Conforms to ISO 11140-1.

The Multi Variable Indicator (MVI) is designed to monitor steam sterilization processes, when placed inside trays, packs or pouches, MVI steam indicator will confirm that steam has penetrated to the point of placement.

**Features:**

- Non-Toxic lead free ink
- Bright yellow to blackcolour change
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 240 strips

[Click here to view the Instructions for Use.](#)



## SafMed MVI EO Indicator



The Browne MVI EO multi-variable indicators for Ethylene Oxide sterilization are Type 4 indicators designed to react to critical parameters of Time, Temperature, Relative Humidity and EO concentration in all current Ethylene Oxide sterilization processes.

Strict quality control and testing procedures ensure performance reliability. Browne MVI Indicators for Ethylene Oxide processes conform to EN867-1 and are manufactured in an ISO 9001 quality-controlled environment.

### Features:

- Non-Toxic lead free ink
- Bright orange to vivid red colour change
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 500 strips

[Click here to view the Instructions for Use.](#)





# SafMed Steam Integrating Indicator



The Browne Type 5, 50mm Steam Integrating Indicator conforms to ISO 11140-1 Type 5 requirements and is designed to perform in an equivalent manner to a Biological Indicator (BI). As a migrating line indicator, the Browne Type 5, 50mm Steam Integrating Indicator dark bar migrates through the reject area and passes into the blue accept area, after correct exposure to dry saturated steam.

## Features:

- Non-Toxic lead free ink
- Dark bar enters blue “Accept” area after exposure to dry saturated steam cycles.
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 250 indicators



# SafMed TST Control Cycle Verification Indicator (Steam)



The Browne TST Control Cycle Verification (emulating) indicator is a Type 6 chemical indicator used for steam autoclave cycles. Indicators are calibrated to the standard specific cycle parameters - 3.5, 4.0, 5.3, 7.0, 9.0 & 18.0 minutes at 134°C. The Browne TST Control Emulating Indicators are independently tested to ISO 11140-1 performance criteria.

### Features:

- Accurate Measurement specified in Time, Steam and Temperature.
- Clear and abrupt Colour Change.
- Conforms to ISO 11140-1
- Non-toxic.
- CE Mark
- Pack Size - 100



[Click here to view the Instructions for Use.](#)



## SafMed TST Control Cycle Verification Indicator (Flash)



The Browne TST Control Cycle Verification (emulating) indicator is a Type 6 chemical indicator used for flash autoclave cycles (also known as immediate use steam sterilization). Indicators are available for 134°C for 3.5 minutes cycle. Each indicator has a coating that makes it ideal for use in Flash/IUSS cycles. The Browne TST Control Emulating Indicators are independently tested to ISO 11140-1 performance criteria.

### Features:

- Accurate Measurement specified in Time, Steam and Temperature
- Clear and abrupt Colour Change
- Conforms to ISO 11140-1
- Non-toxic.
- CE Mark
- Pack Size - 200

**PROCESSED - PASS**

TST Control™ Indicator proves exposure to adequate sterilizing conditions.

A complete dark blue/purple colour change is acceptable

[Click here to view the Instructions for Use.](#)



# SafMed BROWNE FORMALDEHYDE CONTROL STRIPS



The Formaldehyde control indicator is designed for use as an (LTSF) indicator for low temperature steam formaldehyde sterilization. Conforms with ISO 11140-1.

Upon achieving successful cycle conditions the indicator will turn from blue to green.

## Features:

- Non-Toxic lead free ink
- Colour change from Blue to Green
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 100 per/box

[Click here to view the Instructions for Use](#)



## SafMed BROWNE STERILIZATION TUBES



The Browne Sterilizer Control Tubes allows you to easily, and economically monitor your dry heat and fluid sterilization processes. The design of the tube is perfectly suited for use not only in dry heat but also in fluid sterilization where the tube can be placed in a control sample of the solution being sterilized. Conforms to ISO11140-1.

Black Spot (7301) for 121°C - 15 minute Steam Fluid cycles

Yellow Spot (7302) for 134°C - 3 minute Steam Fluid cycles

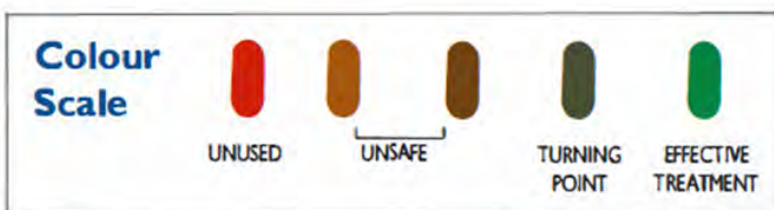
Green Spot (7303) for 160°C - 60 minute Dry Heat cycles

Blue Spot (7304) for 180°C - 12 minute Dry Heat cycles

White Spot (7305) for 180°C - 35 minute Dry Heat cycles

### Features:

- Non-Toxic lead free ink
- Colour change from Red to Green
- Easy to read
- Conforms to ISO 11140-1
- CE Mark
- Pack size - 100 Per/Box



[Click here to view the Instructions for Use.](#)

**SafMed VERIFY BIOLOGICAL INDICATOR**

The STERIS Verify Self-Contained Biological Indicator (SCBI) is for use in monitoring common steam and ethylene oxide (EO) gas sterilization processes.

Each indicator is completely self-contained, combining a disc inoculated with dual spore species (*Geobacillus stearothermophilus* and *Bacillus atrophaeus*) and an ampoule of specifically formulated soybean casein digest growth medium with a pH indicator.

Chemical indicators on each vial provide immediate proof of processing. Incubation time for steam sterilization is 24-hours for ethylene oxide (EO) is 48-hours. Following incubation, a vivid color change from deep blue/purple to bright yellow and/or turbidity gives unmistakable evidence of microbial growth. If no microbial growth occurs, the vial remains deep blue and without turbidity.

**Features:**

- Non-Toxic lead free ink
- Easy to read
- ISO 11138-1:2017
- CE Mark
- Pack size - 100 per/box Indicators

[Click here to view the Instructions for Use](#)

# SafMed CELERITY 20 STEAM BIOLOGICAL INDICATOR



The Celerity 20 STEAM Biological Indicator (BI) is a rapid-read, single-use **20-minute BI** used for routine monitoring, qualification testing, load monitoring and product testing of commonly used steam sterilization cycles. Each BI consists of a plastic vial inoculated with *Geobacillus stearothermophilus* spores. Specialized media is sealed within the cap.

## Features:

- **Fast 20-minute results for load monitoring**
- Easy to use twist and flick activation means no separate activator needed
- Glass-free BI design reduces potential for injury from broken glass
- Integrated barcode label makes electronic documentation easy
- Conforms to ISO 11138-1:2017 & 11138-3:2017
- The process indicator on the BI vial cap meets the Type 1 chemical indicator requirements of 11140-1:2014
- Must be used with the STERIS Celerity Steam Incubator

# SafMed CELERITY 20 HP BIOLOGICAL INDICATOR



The Celerity 20 HP Biological Indicator is a rapid-read, single-use biological indicator designed to monitor vaporized hydrogen peroxide (VHP) sterilization processes. This VHP biological indicator provides a final read within 20 minutes of incubation. The biological indicator is self-contained, reducing the risk of contamination and consequent false positives. Each biological indicator (BI) vial is inoculated with *Geobacillus stearothermophilus* bacterial spores and contains a defined media within the vial cap. The vial cap label features a process indicator for hydrogen peroxide sterilization.

## Features:

- **Fast 20-minute results for load monitoring**
- Easy to use twist and flick activation means no separate activator needed
- Glass-free BI design reduces potential for injury from broken glass
- Integrated barcode label makes electronic documentation easy
- Conforms to ISO 11138-1:2017
- The process indicator on the BI vial cap meets the Type 1 chemical indicator requirements of ANSI/AAMI/ISO 11140-1:2014
- Must be used with the STERIS Celerity HP Incubator



# **SafMed** Browne STF Loadcheck Indicator



The Browne STF Load Check Indicator has been carefully designed to perform in an equivalent manner to 'test soils' by providing a realistic multiple challenge for washer disinfector machines.

Containing two sources of protein, lipids and polysaccharides the Browne STF Load Check Indicator mimics the cleaning efficacy soil tests for surgical instruments described in ISO/TS 15883-5. The Browne STF Load Check contains no blood products.

## **Features:**

- Conforms to ISO 15883-5
- CE Mark
- Pack size - 100 Per/Box

[Click here to view the Instructions for Use.](#)

# ABOUT SafMed

- B-BBEE Level 1 Contributor ISO
- 13485:2016 Accredited
- Member of SAMED
- Medical Device Licence Numbers:
  - Cape Town - 00000243MD (Manufacture/Distribute)
  - Johannesburg - 00000227MD (Manufacture/Distribute)
  - Cape Town - 0000680MD (Wholesale)
  - Johannesburg - 00000643MD (Wholesale)



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