



# TITEMS Monitor High Precision Chemical Indicator - Steam



### functionality

Titems Monitors HP (High Precision) are designed for use in steam sterilizers, providing an integrated response to defined combinations of time, temperature and presence of moist saturated steam. These attributes are monitored to a point that is well in excess of biological spore kill where upon the indicator spot will change from blue to black.

features : sterilization monitor

Class 4 Indicators

The Titems Monitor HP product line includes :

Qty	Description	Code
CHEMICAL INDICATORS		
1000/pkt	TITEMS Monitor HP LONG	<b>AUS420</b>
2000/pkt	TITEMS Monitor HP SHORT	<b>AUS410</b>
125/pkt	TITEMS Monitor HP SHORT	<b>AUS415</b>

### storage

Titems Monitor HP should be stored at 0° - 45°C and 10 - 90% humidity in ziplock bags provided. When stored as directed, indicators have a shelf life of 3 years.

### implementation

Austmel Titems Monitor HP Class 4 are autonomous single use test strips. The Titems Monitors HP consists of one spot and is also available in the long version which has two spots and is twice the length of the type shown above. For use in sterilizers operating at temperatures from 134°C for 3.5 minutes or longer. In a best practice environment the interpretation of the Titems Monitor HP would be recorded as part of an integrated and approved QA system procedure specific to that user environment.

### summary

#### Titems Chemical Indicator

- Class 4 Performance
- Sterilant specific (only changes in steam)
- Easy interpretation
- Can monitor the mechanical aspect of the boiler, steam lines and sterilizer.
- Can monitor the quality of the preparation of individual packs, the loading of the chamber and the use of steam in other areas of the hospital.
- Requires correct time & temperature with the presence of steam
- Accuracy through purity and quality of formulation
- High reliability

### quick reference

Titems Monitor HP features



### related Titems Monitor HP products :



- Titems Diagnostic Emulator
- MEDITRAX® Flash Labels
- Prion Indicators
- Steam Chart 121 Integrator
- MEDITRAX® Surgery Integrator Labels



## Medical and Surgical Requisites Pty Ltd

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## Class 4 Monitor

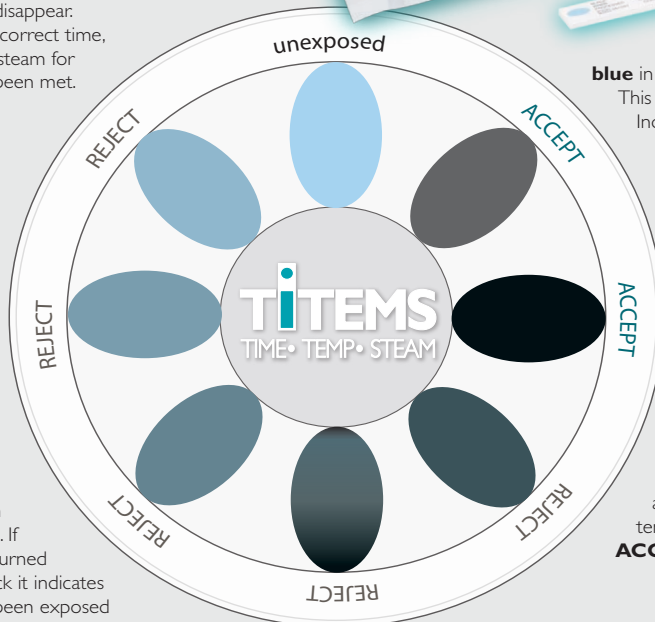
### interpretation guide

**objective :** During a successful steam sterilization process the indicator spot printed on the monitor strip must turn from blue to a uniform black, as dark or darker than the colour standard. All traces of the original blue colour of the monitor must completely disappear.

**Interpretation:** correct time, temperature and steam for sterilization have been met.  
**ACCEPT**

The Indicator Spot is uneven in colour; not a dark as the standard or not black.

**Interpretation:** insufficient time, temperature or lack of steam. If the Indicator Spot is still blue, it indicates that the item has not been exposed to steam. If the spot has not turned completely to black it indicates the item has not been exposed to sufficient sterilization conditions of temperature, time or steam equivalent. This could be due to poor steam quality, sterilizer failure, poor preparation of individual packs or poor loading of the chamber: **REJECT**



The Indicator Spot is **blue** in colour. **Interpretation:** This indicates that the Indicator Spot has not been exposed to steam.  
**UNEXPOSED**

The Indicator Spot is **silver** in colour. **Interpretation:** This indicates that the Indicator Spot has been exposed to excessive sterilization conditions. This is still acceptable but means that the sterilization was performed for an unnecessary time at temperature.  
**ACCEPT**



**one-on-one Titem Monitor HP customer support**  
Austmel Pty Ltd is able to offer one-on-one support during office hours on our 1800 074 085 service. This is a valuable service to healthcare personnel who require immediate technical support to use the Titem Chemical Indicator. This service is a complete one-on-one person to person level.

**background**  
Austmel Pty Ltd is an Australian owned company established in 1974. Austmel have been directly involved in the supply and development of Sterility Assurance products for over 30 years. Our unique products and systems extend into both the Health Care and Industrials markets, including :

- MEDITRAX® Accountability & Traceability Systems
- Biological and Chemical Sterilization Indicators
- Bowie-Dick Tests
- Sterilization Packaging
- Quality Assurance Consultation
- TMI Electronic Data Loggers
- Surgical Disposables

**T | 800 074 085 customer support**



### Instructions for use of the Titem Monitor HP:

1. Place one Titem Monitor HP strip in each pack, peel pouch or tray to be steam sterilized. The strip should be placed at a location in the package that is considered to be the most difficult for steam to reach. For larger packs, use several Titem Monitor HP strips and place them at several locations in the pack/tray.
2. Sterilize package as usual in steam sterilizer.
3. Following the sterilization cycle, visually verify that the spots at the end of the strips have changed colour from blue to black.
4. If the indicator does not change to black, inadequate sterilization conditions are suggested. The item(s) must be resterilized with a new indicator strip. Under certain conditions, it may be necessary to reduce the size of the pack or repackage the item(s).

**SAFETY PRECAUTIONS:** If there are any doubts about the sterility of the item(s), it must be considered NOT sterile. DO NOT use strips with spots that are not blue prior to exposure to steam processing.

### quick reference

Titem Monitor HP features



**related Titem Monitor HP products :**

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- Steam Chart I2I Integrator
- MEDITRAX® Surgery Integrator Labels



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