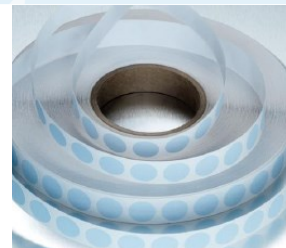


Chemical Process Indicators (CPIs) For monitoring Steam Sterilisation processes. (CLASS / TYPE 1)

Excelsior Code: CPI-S01E



Product Description

Excelsior steam chemical process indicator labels contain no lead or other toxic heavy metals. The indicators are manufactured to monitor whether sterilisation conditions were met at the point of placement of the indicator. The indicators are designed for use in steam sterilisers operating at 121°C - 137°C.

Physical Properties

Process	Steam
Dimensions	12.7 mm (1/2") Dot
Packaging	5,000 Indicators/Roll
Chemical Indicator	Initial Colour: Blue Signal Colour: Pink Chemical Indicator inks contain no lead or other toxic heavy metals

Indications for Use

Class 1 / Type 1 Process Indicator

- 121°C, ≥ 10 minutes
- 134°C, ≥ 2 minutes



Instructions for Use

Use an indicator on each item, pack, peel pouch, or tray that will be exposed to steam. Place at a location considered most challenging for steam to reach. Process packages/items as instructed in the autoclave/steriliser validation or manual.

Upon exposure to high temperature steam, the indicator will transition from blue to pink. The transition colour may vary depending on the load configuration, length and conditions of exposure. A colour transition from blue to a shade of pink provides indication of exposure to high temperature steam. If signal colour is not achieved, this suggests ideal exposure conditions were not met.

The chemical reaction which causes the colour transition is a steam specific reaction and is irreversible.

Performance Characteristics

Result Availability	Immediately following exposure to high temperature steam processes	
	Unexposed*	Exposed to steam 121°C, 10 minutes
		

*Colours shown are representations of printed ink initial and signal colours but may vary from actual use.

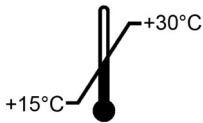
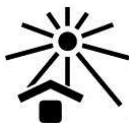





The signal colour achieved from exposure to steam may vary from the example above due to differences in processing parameters (i.e. load content, steam quality, cycle time, temperature etc). A shade of purple would indicate the presence of poor quality steam.

Compliance

ISO 11140-1:2014 Sterilization of health care products – Chemical Indicators- Part 1:General Requirements for Type 1 Chemical Process Indicators.

Storage and Shelf Life

	15°C to 30°C		Keep away from Sunlight
	20% to 80% relative humidity		Keep Dry
Shelf Life	3 years from the date of manufacture. The date of manufacture is based on the day the indicating ink is applied to the substrate. The remaining shelf life upon receipt will be shorter than 3 years		
	Keep away from sterilants. Do not use damaged indicators or indicators which have transitioned to pink. Do not use after expiration date.		

Disposal

Discard as general waste.

For additional product information:
Please visit us at
www.excelsiorscientific.com
Email us at sales@excelsiorscientific.com