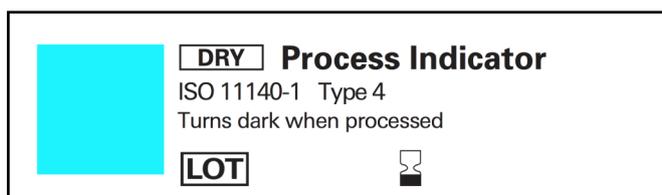


# CHEMICAL PROCESS INDICATOR STRIP

## For Monitoring Dry Heat Sterilisation Processes

### (CLASS / TYPE 4)

Excelsior Code: DH-250E



#### Product Description

Excelsior multicritical process Indicator strips contain no lead or other toxic heavy metals. The Indicator strips are manufactured to monitor whether dry heat has penetrated to the point of placement of the strip within a pouch, instrument wraps, and other items requiring dry heat sterilisation by reacting two critical process variables (time and temperature). Internal chemical indicators should be used inside each pack to be sterilised.

#### Physical Properties

Process	Dry Heat
Indicator Strip Dimensions	19 mm x 70 mm (0.75" x 2.75")
Packaging	250 Strips / Package
Chemical Indicator	Initial Colour: Blue Signal Colour: Dark Grey Chemical Indicator Inks contain no lead or other toxic heavy metals

#### Indications for Use

Class /Type 1 Process Indicator Requirements:

- 160°C, 40 mins

Class /Type 4 Process Indicator Requirements:

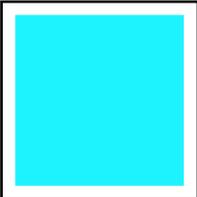
- 160°C, 40 mins

#### Instructions for Use

Use a strip in each pack, peel pouch or tray to be sterilised. Process packages/items as instructed in the steriliser validation or manual.

Upon exposure to dry heat, the chemical indicator will transition from blue to dark grey. The transition colour may vary depending on the load configuration, length and conditions of exposure. A colour transition from blue to dark provides indication of exposure to dry heat. If the signal colour is not achieved this may suggest ideal exposure conditions were not met. Review the exposure conditions and investigate the steriliser malfunction.

## Performance Characteristics

Result Availability	Immediately following exposure to dry heat
Unexposed*	Exposed to dry heat 160°C, 40 minutes*
	

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

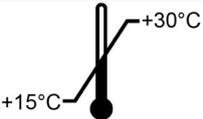


The signal colour achieved from exposure to dry heat may vary from the example above due to differences in processing parameters (i.e. load content, cycle time, temperature, etc.). For Type 4 Multi-critical Process Variable Indicators, a colour change to dark grey/black, is an indication that all process variables were achieved during exposure to dry heat.

## Compliance

ISO 11140-1:2014 Sterilization of health care products – Chemical Indicators- Part 1:General Requirements For Type 1 chemical process indicators & Type 4 multicritical process variable indicators.

## Storage and Shelf Life

	15°C to 30°C		Keep away from sunlight
	20% to 80% relative humidity		Keep Dry
<b>Shelf Life</b>	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		Do not reuse
	Keep away from sterilants. Do not use after expiration date. Do not use the product if the indicator has transitioned prior to use.		

## Disposal

Discard as general waste.

For additional product information:  
Please visit us at  
[www.excelsiorscientific.com](http://www.excelsiorscientific.com)  
Email us at [sales@excelsiorscientific.com](mailto:sales@excelsiorscientific.com)



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