

# TECHNICAL DATA SHEET



## Product Name and Code:

Steam Chemical Integrators – LCS51

## Product Description:

LISTER Steam Chemical Integrators are Type 5 Integrating Indicators as categorized by ISO 11140-1:2014. LISTER Steam Chemical Integrators are single-use chemical indicators consisting of a paper wick and a steam and temperature sensitive chemical pellet contained in a paper/Film/foil laminate. The chemical pellet melts and migrates as a dark color along the paper wick. The migration is visible through a window marked ACCEPT or a window marked REJECT; the extent of migration depends on steam, time, and temperature.



## Indications for use:

Use LISTER Steam Chemical Integrators as an internal pack control to monitor all 121° C~135°C steam sterilization cycles.

## Performance characteristics:

| Reference Color Change Conditions   | Illustration   |
|---|--|
| Saturated steam, 121 °C, ≥16.5 mins;<br>Saturated steam, 135 °C, ≥1.2 mins; | <div><div><div><div><div>STEAM CHEMICAL INTEGRATOR</div><div>LISTER</div><div>REJECT X</div><div>ACCEPT ✓</div><div>LOT A0102 REF LCS51</div><div>STEAM</div><div>Dark Bar Must Enter The Blue Area</div></div><div>REJECT</div></div><div><div><div>STEAM CHEMICAL INTEGRATOR</div><div>LISTER</div><div>REJECT X</div><div>ACCEPT ✓</div><div>LOT A0102 REF LCS51</div><div>STEAM</div><div>Dark Bar Must Enter The Blue Area</div></div><div>ACCEPT</div></div></div></div> |

Test condition: 121 °C-135 °C, Saturated steam with pre-vacuum

## Technical information:

Manufactured by: LISTER BIOMEDICAL CO.,LTD.  
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|                    |                 |
|--------------------|-----------------|
| Weight of CI       | 310-320g / pack |
| Period of validity | 36 months       |
| Dimensions         | 2.25 cm×5.2 cm  |

## ***Compliance:***

ISO 11140-1:2014 Sterilization of health care products-Chemical indicators-Part 1: General requirements.

## ***Package:***

500PCS/PACK

**Version: 20241010**