

Biological Indicators

Technical Data Sheet

Mini Spore Strips: *Geobacillus stearothermophilus*

NAMSA Order Code:
STS-062, STS-062B

Physical Properties

Organism	<i>Geobacillus stearothermophilus</i>
Description	Sterilized filter paper inoculated with <i>Geobacillus stearothermophilus</i> spores.
Strip Dimensions (approximate size)	2 mm x 10 mm

Guidelines for Use

Application	Steam Sterilization Processes
Shelf Life	18 months from date of manufacture
Incubation	Aseptically transfer BIs from glassine envelopes or packaging material to individual tubes of growth medium such as Soybean Casein Digest Broth (SCDB). Incubate cultured BIs at 55-60°C for a minimum of 7 days or validated incubation period.
Storage Conditions	At or below room temperature 15-30°C. Protect from sterilizing agents, direct sunlight and high temperatures.
Clean Up/Disposal	Autoclave for not less than 30 minutes at 121°C or per validated disposal cycle prior to discard.

Performance Characteristics

Population	1.0 to 3.0 x 10 ⁶ spores per inoculated carrier
Saturated Steam (120°C) D-value	1.5 minutes to 3.0 minutes, Survivor Curve Method: Correlation coefficient ≥ 0.8
Z-value	≥ 6°C based on d-value determinations at 119°C, 121°C, and 130°C
Compliance	ANSI/AAMI/ISO/EN 11138 and USP (where applicable)

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