

# Biological Indicators

## Technical Data Sheet

### Spore Suspensions: *Geobacillus stearothermophilus*

NAMSA Order Code:  
SUS-02, SUS-03, SUS-04,  
SUS-05, SUS-06, SUS-07, SUS-08

#### Physical Properties

Organism	<i>Geobacillus stearothermophilus</i>
Description	Pure suspensions of viable spores with a known population and resistance to steam sterilization processes.
Suspension Volume	10 mL suspended Water For Injection. Suspension of WFI and Ethanol mixtures also available upon request.

#### Guidelines for Use

Application	For direct inoculation onto samples for sterility, bioburden, bacteriostasis and media growth promotion testing associated with Steam Sterilization Processes.
Shelf Life	24 months from date of manufacture
Incubation	Incubate at 55-60°C
Storage Conditions	Refrigeration (2-8°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 <sup>2</sup> - 10 <sup>8</sup> spores per 0.1 ml
Saturated Steam (121°C) D-value	1.5 minutes to 3.0 minutes
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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