

# Product Specification

## Spore Suspension *Geobacillus stearothermophilus* 7953

### Product Description

Spore Suspension *Geobacillus stearothermophilus* 7953 contains sterilization resistant spores in solution. Spore Suspensions come in a 10mL Wheaton vial with a rubber stopper. Spore Suspensions have a colored aluminum crimp seal to help easily identify species.

### Technical Parameters

<b>Organism</b>	<i>Geobacillus stearothermophilus</i> 7953 <sup>1</sup>
<b>Spore Count Options (per 0.1mL)</b>	≥1.0 x 10 <sup>4</sup> ≥1.0 x 10 <sup>5</sup> ≥1.0 x 10 <sup>6</sup> ≥1.0 x 10 <sup>7</sup>
<b>D-Value</b>	≥1.5 minutes
<b>Z-Value</b>	≥6 °C
*Reference D-Value and Z-Value from a paper strip	
<b>Diluent</b>	40% ethanol (EtOH) 10 <sup>7</sup> population also available in purified H <sub>2</sub> O
<b>Storage</b>	EtOH: -25° to -10°C H <sub>2</sub> O: 2-8°C
<b>Incubation</b>	Temperature: 55-60°C Media: SCDB
<b>Shelf-Life</b>	EtOH: 24 months from date of manufacture H <sub>2</sub> O: 12 months from date of manufacture
<b>Nominal Dimensions</b>	Volume: 10mL

### Indications for Use

Spore Suspension *Geobacillus stearothermophilus* is a calibrated suspension of bacterial spores appropriate for direct inoculation of products or choice of substrate for monitoring steam sterilization processes.

### Packaging

Spore Suspension *Geobacillus stearothermophilus* comes in individual 10mL vials with a purple aluminum crimp seal. Each vial is packaged in a clear plastic bag.

### Labeling

- Vials are labeled with species, storage conditions, lot number, and population spore count.

### Reorder Information

- SSSE/4 (10<sup>4</sup>)
- SSSE/5 (10<sup>5</sup>)
- SSSE/6 (10<sup>6</sup>)
- SSSE/7 (10<sup>7</sup>)
- SSSA/7 (10<sup>7</sup>, aqueous)



<sup>1</sup> or equivalent recognized culture collection strain