



STEAM

EO

VH202

FORM

DRY

Spore Suspension



Application

The spore suspension contains resistant bacterial spores and is used for inoculation of products for the biological performance evaluation of sterilization processes. For inoculation and incubation, a microbiological laboratory is required.

Product Description

The spore suspensions are delivered in 10 ml glass bottles with with a screw cap including a septum, suspended in 40% ethanol/water. They are available with *B. atrophaeus* and *Geob. Stearothermophilus* spores and with different population concentrations. And different D-values. Standard D-values according to EN ISO 11138 are in stock. Individual D-values can be ordered on demand.

Performance Characteristics

All spore suspensions are produced in accordance to the EN ISO 11138 standard series and the current European and United States Pharmacopoeia (EP + USP). Population and D-value are measured and certified for each batch documented in the certificate of analysis.

If spore solutions are inoculated on instruments or carriers, D- and z-values may be different from spores in solution and must be determined by the

user on the new surfaces.

For hydrogen peroxide a standard does not yet exist since no appropriate resistometers/test sterilizers are available to measure D-values. Therefore, most manufacturers use own test procedures that are not comparable. Mesa Germany has developed its own test method and test sterilizer for hydrogen peroxide.

Benefits

- Each pack contains a certificate stating clear specifications according to the standards.
- Dual-use lid: resealable screw cap for precision pipette removal including a septum for alternative cannula/ syringe removal.
- Wide range of D-values and populations, available on demand.
- Selection of different D-values.
- With the z-value mentioned in the certificate the kill time and D-value can be calculated for other temperatures.
- Proteins produced during sporulation are removed.
- Shipping in specially-controlled packages, on request.



Order Information

For controlled temperature shipping during hot temperatures, special shipping packs providing insulation with cool packs and temperature data loggers are available on demand.

Art. No.	Product Code	Population [CFU/ml]	Population per bottle	Application
226-107	B-E-H-SUS-10-7	10 ⁷	10 ⁸	Ethylene Oxide, Dry Heat
226-108	B-E-H-SUS-10-8	10 ⁸	10 ⁹	
226-109	B-E-H-SUS-10-9	10 ⁹	10 ¹⁰	
228-107	B-S-F-SUS-10-7	10 ⁷	10 ⁸	Steam, Formaldehyde
228-108	B-S-F-SUS-10-8	10 ⁸	10 ⁹	
228-109	B-S-F-SUS-10-9	10 ⁹	10 ¹⁰	
229-107	B-V-SUS-10-7	10 ⁷	10 ⁸	Hydrogen Peroxide
229-108	B-V-SUS-10-8	10 ⁸	10 ⁹	

