

Biological Indicators

Spore Suspensions

NAMSA Spore Suspensions are pure suspensions of viable spores with known resistance characteristics and population levels. The convenience of the Spore Suspensions allows for direct inoculation of products, typically to verify sterility of devices where a traditional BI strip cannot be used. They can also be used for a variety of other microbiological testing including cleaning effectiveness studies, Bioburden percent recovery and Bacteriostasis/Fungistasis (BF) testing.

NAMSA Spore Suspensions are packaged in 10 ml volumes and are sold in pharmaceutical grade glass vials with screw cap and septum which allows for withdrawal of the suspension using either a pipette or a needle and syringe assembly. The spores are suspended in Water for Injection (WFI) in a variety of population levels standardized for 0.1 ml inoculums. Spore Suspensions manufactured with WFI and Ethanol or population levels below 10^6 are also available upon request; please contact NAMSA for pricing, lead time and availability.

NAMSA Spore Suspensions are ANSI/AAMI/ISO EN 11138-1 and USP (where applicable) compliant. The Suspensions are labeled with an 18 or 24 month shelf life based on the organism and date of fill. Spore Suspensions require storage under refrigerated conditions (2° - 8°C). Each vial of Spore Suspension is accompanied by a Certificate of Analysis detailing the source, assayed population, resistance characteristics on paper carrier and expiration date.

Bacillus subtilis 14 month shelf-life

NAMSA Code	Spore Population Per 0.1 ml
SBS - 06	10^6 (1,000,000)
SBS - 07	10^7 (10,000,000)
SBS - 08	10^8 (100,000,000)

NAMSA offers a variety of sterilization monitoring products and the full range of pre-clinical safety testing and consulting services to medical device, pharmaceutical and biotech companies throughout the world.

For additional product information:
Please visit us at www.namsa.com
Email us at productorders@namsa.com
Call us at 800-860-1888 (toll free)



Steam

Geobacillus stearothermophilus 24 month shelf-life

NAMSA Code	Spore Population Per 0.1 ml
SUS - 06	10^6 (1,000,000)
SUS - 07	10^7 (10,000,000)
SUS - 08	10^8 (100,000,000)

Radiation

Bacillus pumilus 24 month shelf-life

NAMSA Code	Spore Population Per 0.1 ml
SUP - 06	10^6 (1,000,000)
SUP - 07	10^7 (10,000,000)
SUP - 08	10^8 (100,000,000)

Ethylene Oxide or Dry Heat

Bacillus atrophaeus 18 month shelf-life

NAMSA Code	Spore Population Per 0.1 ml
SUN - 06	10^6 (1,000,000)
SUN - 07	10^7 (10,000,000)
SUN - 08	10^8 (100,000,000)

NAMSA

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