

# Biological Indicators

## Biological Indicator Strips

NAMSA offers a full line of spore strips for use in monitoring sterilization processes. Spore strips consist of inoculated filter paper, 6 mm x 30 mm, packaged in glassine peel pouches or envelopes. The glassine packaging provides protection from environmental contaminants during transport post exposure. The spore strips can easily be removed from the glassine pouch by tearing or peeling the pouch open for transfer to culture media or challenge device assembly. Spore strips are available in populations from  $10^2$  to  $10^8$  for each organism. A lead time may apply for population levels not outlined in the tables.



Our most popular Biological Indicator strips are manufactured using state of the art equipment which provides assurance that each glassine contains a BI consistent in population, purity and dimension. Strips are packaged in shelf packs of 100 strips and labeled with an 18 or 24 month shelf-life based on the organism and date of manufacture. Store strips under room temperature conditions (15 - 30° C). Each pack is accompanied by a certificate of analysis. Spore strips are certified for population, purity, and resistance (dvalue, zvalue, survival and kill where applicable). NAMSA Biological Indicator strips are compliant with ANSI/AAMI/ISO/ EN 11138 series of standards and USP where applicable.

### Ethylene Oxide or Dry Heat

*Bacillus atropheus* 24 month shelf-life

NAMSA Code	Spore Population Per Strip
STN - 04	$10^4$ (10,000)
STN - 05	$10^5$ (100,000)
STN - 06	$10^6$ (1,000,000)

### Steam

*Geobacillus stearothermophilus* 18 month shelf-life

NAMSA Code	Spore Population Per Strip
STS - 04	$10^4$ (10,000)
STS - 05	$10^5$ (100,000)
STS - 06	$10^6$ (1,000,000)

### Radiation

*Bacillus pumilus* 24 month shelf-life

NAMSA Code	Spore Population Per Strip
STP - 06	$10^6$ (1,000,000)
STP - 07	$10^7$ (10,000,000)
STP - 08	$10^8$ (100,000,000)

### Combination Strips

*Geobacillus stearothermophilus* and *Bacillus atropheus*  
24 month shelf-life

NAMSA Code	Spore Population Per Strip
STNS - 65	$10^5$ (100,000) <i>Geobacillus stearothermophilus</i> $10^6$ (1,000,000) <i>Bacillus atropheus</i>

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:  
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