

74041 Sterility Indicator (Steam Sterilization)

These indicators consist of *Bacillus stearothermophilus* (ATCC 7953) spores impregnated on paper strips, individually placed into envelopes. Number of spores present per strip: 1 million. *Bacillus stearothermophilus* is a thermophilic species which can grow at 65°C and above. The spores are highly resistant and are used to monitor autoclave performance. These indicators as specified by U.S. military specification MIL-S-36586 are GMP requirements of U.S. FDA.

Composition:

(1 package contains 25 test strips)

One paper strip is impregnated with 1 million spores *Bacillus stearothermophilus* (ATCC 7953)

Directions:

Place indicators so that they are exposed representative to the steam as the media and the equipment. For the routine evaluation of each radiated lot a standard procedure should be established. After steam sterilization using rigid aseptic technique and open the envelope with the strip inside. Inoculate strip after autoclaving in a tube with sterile CASO Broth (22098) and incubate at 55-60°C up to 7 days according USP. Today it is up to date in most laboratories to incubate for 48 hours according new stability studies. Simultaneously an unexposed spore strip is inoculated separately in another tube with sterile CASO Broth.

Quality control:

Cultural response observed after 7 days at 55-60°C in CASO Broth (22098):

Spore Strip	Result
Exposed to steam	no growth
Unexposed	luxuriant growth

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

