

Industrial Use

Mesa Labs Biological Indicators

INTRODUCTION

Most commercially available biological indicators (BIs) are designed for healthcare applications and are not well-suited for many manufacturing situations. Manufacturers and validation specialists require unique tools where spore strips and ampoules are not suitable because of size, packaging or carrier material. In addition to our line of Healthcare BIs, Mesa offers a line of Industrial Use BIs to address the unique requirements of the medical device and pharmaceutical industries.

WOVEN COTTON THREADS: 1.5 mm x 19 mm

Threads have been used at the interface of a syringe and plunger to show EtO penetration and efficacy at that point. Other uses include placement in tubing and lumens. Cotton Threads come individually packaged in Tyvek/Mylar pouches but are removed from the packaging for placement in the device.



PAPER DISCS: 6 mm

Paper Discs are inoculated with either 10^6 G. stearothermophilus spores or 10^6 B. atrophaeus spores, for Steam and EtO applications where a spore strip is too large. The discs are offered bulk packaged or individually packaged in glassine envelopes.



MICROSTRIPS: 1 mm x 25 mm or 2 mm x 10 mm

MicroStrips are inoculated with either 10^6 G. stearothermophilus spores, 10^6 B. subtilis "5230" spores or 10^6 B. atrophaeus spores, intended for use in Steam and EtO applications where a regular sized spore strip is too large. MicroStrips are offered bulk packaged or individually packaged in glassine envelopes



STAINLESS STEEL COUPONS: 33.0 mm x 7.2 mm

Stainless Steel Coupons inoculated with 10^6 B. atrophaeus spores are designed for use in high temperature dry heat applications where a paper strip would not be appropriate or where a stainless-steel surrogate is desired.



STAINLESS STEEL DISC: 7 mm

The Stainless Steel Disc is inoculated with 10^3 or 10^6 B. pumilus spores and packaged in a clear plastic pouch. The clear plastic package will not impede UV light and provides protection from post-process contamination.



PROLINE (TUBING VALIDATION PCD)

Biological Indicator system designed for use in the validation of steam sterilization cycles of tubing ranging from 1/8" to 5/8" inside diameter (ID). The ProLine Process Challenge Device (PCD) contains a filter paper disc inoculated with 10^6 G. stearothermophilus spores.



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Reorder #	Process	Species	Population	Carrier	Packaging
1-6100TT	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Cotton Thread	100 Tyvek Mylar pouches
1-10006mm	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper Disc	1000/bulk
1-61006	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper Disc	100 glassine pouches
DS6R/6	Steam	G. stearothermophilus 7953	10 ⁶	Paper Disc	100/bulk
DS6R/6G	Steam	G. stearothermophilus 7953	10 ⁶	Paper Disc	100 glassine pouches
A1X25/6	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper MicroStrip 1 x 25 mm	100/bulk
A1X25/6G	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper MicroStrip 1 x 25 mm	100 glassine pouches
A2X10/6	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper MicroStrip 2 x 10 mm	100/bulk
A2X10/6G	Ethylene Oxide	B. atrophaeus 9372	10 ⁶	Paper MicroStrip 2 x 10 mm	100 glassine pouches
S1X25/6	Steam	G. stearothermophilus 7953	10 ⁶	Paper MicroStrip 1 x 25 mm	100/bulk
S1X25/6G	Steam	G. stearothermophilus 7953	10 ⁶	Paper MicroStrip 1 x 25 mm	100 glassine pouches
S2X10/6	Steam	G. stearothermophilus 7953	10 ⁶	Paper MicroStrip 2 x 10 mm	100/bulk
S2X10/6G	Steam	G. stearothermophilus 7953	10 ⁶	Paper MicroStrip 2 x 10 mm	100 glassine pouches
SU1X25/6	Low Temperature Steam	B. subtilis "5230" 35021	10 ⁶	Paper MicroStrip 1 x 25 mm	100/bulk
CSSA/6	Dry Heat	B. atrophaeus	10 ⁶	Stainless Steel Coupon	100 Tyvek pouches
DPSSC/3	UV	B. Pumilus 27142	10 ³	Stainless Steel Disc	100 clear plastic pouches
DPSS/6C	UV	B. Pumilus 27142	10 ⁶	Stainless Steel Disc	100 clear plastic pouches
PL-3-6-15	Steam	G. stearothermophilus 7953	10 ⁶	ProLine PCD	15/box