



MesaLabs

2013 OMF Product List

All products manufactured by Mesa are done so in accordance with current Quality System Regulations of the United States Food and Drug Administration and meet the standards established by USP and ISO 11138. Mesa's Quality System is registered to ISO 13485:2003 Standards.

www.MesaLabs.com

Orders may be placed via phone, fax or email.

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Spore Strips

Spore Strips

Mesa Labs offers a complete line of spore strips for sterility testing in various environments for both healthcare and industrial applications. Mesa's products are manufactured in accordance with USP Guidelines and the US Food & Drug Administration's Quality System Regulations.

Bacillus atrophaeus (formally *B. subtilis*)

Population	Catalog Number
Log 6	1-6100
Log 7	1-7100
Log 8	1-8100
Log 9	1-9100

Geobacillus stearothermophilus (formally *B. stearothermophilus*)

Population	Catalog Number
Log 5	3-5100
Log 6	3-6100
Log 7	3-7100

Combined (both *B. atrophaeus* and *G. stearothermophilus*)

Population	Catalog Number
Log 6 / Log 5	5-5100

Bacillus pumilus

Population	Catalog Number
Log 6	7-6100
Log 7	7-7100
Log 8	7-8100
Log 9	7-9100

For more information, please see our Spore Strip brochure.



Spore Strip Packaging

Hospital Packs

Each test consists of three spore strips - two to be placed in the sterilizer and one control. 25 tests per box.

Species / Log	Catalog Number
<i>B. atrophaeus</i> Log 6	1-6025
<i>G. stearothermophilus</i> Log 5	3-5025
Combined (Log 6 / Log 5)	5-5025

Steri-Chart

Each Steri-Chart consists of five strips all made from the same spore batch (i.e. same D-value). The strips represent a five log range in population (log 3 through 7 for *G. stearothermophilus* and log 4 through 8 for *B. atrophaeus*). An additional spore strip is included as a control. Steri-Charts are packaged with ten strips per log.

Species	Catalog Number
<i>G. stearothermophilus</i>	RSC-3-06
<i>B. atrophaeus</i>	RSC-1-06

micro-Strips

2mm x 10mm



Carrier	Species	Population	Packaging	Catalog Number	Quantity
10mm x 2mm strip	<i>B. atrophaeus</i>	Log 6	Bulk	1-1000-2B	1,000
10mm x 2mm strip	<i>B. atrophaeus</i>	Log 6	Glassine	1-6100-2G	100
10mm x 2mm strip	<i>G. stearothermophilus</i>	Log 6	Bulk	3-6000-2B	1,000
10mm x 2mm strip	<i>G. stearothermophilus</i>	Log 6	Glassine	3-6100-2G	100

Specialty Spore Strips

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Spore Strip	<i>B. subtilis</i> (#5230)	Log 6	Glassine	1B-6100	100
Spore Strip for ClO2	<i>B. atrophaeus</i>	Log 6	Tyvek/Mylar	ACD/6	100
Spore Strip for LTSF	<i>G. stearothermophilus</i>	Log 6	Glassine	3-6100F	100

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Test Kits and Incubators

Culture Test Kits (RCT Kits) - Spore Strips and Culture Media

Catalog #	Description
C-1080	25 tubes TSB w/Phenol Red & 25 combined spore strips
C-1080P	25 tubes TSB w/Bromocresol Purple & 25 combined spore strips
C-1081	100 tubes TSB w/Phenol Red & 100 combined spore strips
C-1081P	100 tubes TSB w/Bromocresol Purple and 100 combined spore strips
C-1-6-1081	100 tubes TSB w/Phenol Red and 100 Log 6 <i>B. atrophaeus</i> spore strips
C-3-5-1081P	100 tubes TSB w/Bromocresol Purple and 100 Log 5 <i>G. stearothermophilus</i> spore strips
C-3-6-1081P	100 tubes TSB w/Bromocresol Purple and 100 Log 6 <i>G. stearothermophilus</i> spore strips
C-3-6-1080P-PA	25 tubes TSB w/ Bromocresol Purple and 25 Log 6 <i>G. stearothermophilus</i> spore strips
C-3-PA-24	ProPACT for the Steris System 1® Processor; 25 spore strips and 25 media tubes
RCD/50	Releasat® ClO ₂ 50 tubes TSB and 50 <i>B. atrophaeus</i> spore strips (for Chlorine Dioxide)

Incubators

Mesa Labs offers incubators for several of its biological indicator products. See our website for more detailed information.



Mesa's 1410 Adjustable SCBI Incubator for ProTest and EZTest®

Catalog # I1410-M



Mesa's 1450 Adjustable Incubator for ProSpore2

Catalog # I1450-M



Mesa's 1480 Incubator for ProSpore

Catalog # I1480-M



Mesa's 1501 Incubator for ProSpore 1ml

Catalog # I1501-M

Self-Contained Biological Indicators

Smart-Read® EZTest®

The Smart-Read® EZTest® Biological Monitoring System allows an organization to release sterile product with true biological confirmation faster and easier than ever before. This unique system uses a real biological indicator (BI) -- with no added enzyme or chemical integrator -- which is incubated, evaluated, and documented in one simple, automated operation. Relying only upon bacterial spore growth, the Smart-Read® system can detect sterilization failure in as few as three to five hours, and negative results can be confirmed with an additional five hours of incubation.

Smart-Read® EZTest® for Steam

Population	Catalog Number	Packaging
Log 5	SEZS/525	25 / Box
Log 5	SEZS/5	100 / Box
Log 6	SEZS/625	25 / Box
Log 6	SEZS/6	100 / Box



Smart-Read® EZTest® Pack

Population	Catalog Number	Packaging
Log 5	SRSP/05	25 tests / 5 controls
Log 5	SRSP/25	25 tests / 25 controls
Log 6	SRSP6/05	25 tests / 5 controls
Log 6	SRSP6/25	25 tests / 25 controls

Smart-Well® Incubator Kit (unit, printer, user manual, power pack)

Cord	Catalog Number
United States	I-RAV-301
Europe	I-RAV-302
Australia	I-RAV-303
United Kingdom	I-RAV-304



Smart-Well® Accessories

Item	Catalog Number	Packaging
Smart-Well® Incubator Manual	9110	1
Smart-Well® Product Information Manual	9111	1
Plastic Binder set	9208	13
Thermometer	IDT	1
Smart-Well® Power Pack	P3-1000	1
U.S. Citizen CMB-710 II Printer & Power Pack	PTR/PPUS	1
European Citizen CBM-91 Printer & Power Pack	PTR/PPEUR	1
Printer Ribbon/Paper Kit 1ink/2rolls	9503	1
Printer Paper Roll	PTR/PPR	2
Printer Ink	PTR/INK	1
Plastic sheet inserts	9058	13

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Self-Contained Biological Indicators

Mesa offers self-contained biological indicators (SCBI) for use in steam and ethylene oxide sterilization. Whether your needs involve dry goods or liquid loads, Mesa has an SCBI to suit your needs.

ProTest	Population	Catalog Number	Packaging
EO <i>B. atrophaeus</i>	Log 6	PT-1-6-25	25 / Box
EO <i>B. atrophaeus</i>	Log 6	PT-1-6-100	100 / Box
Steam <i>G. stearothermophilus</i>	Log 5	PT-3-5-25	25 / Box
Steam <i>G. stearothermophilus</i>	Log 5	PT-3-5-100	100 / Box
Steam <i>G. stearothermophilus</i>	Log 6	PT-3-6-25	25 / Box
Steam <i>G. stearothermophilus</i>	Log 6	PT-3-6-100	100 / Box
H2O2 <i>G. stearothermophilus</i>	Log 6	PTH-3-6-25	25 / Box
H2O2 <i>G. stearothermophilus</i>	Log 6	PTH-3-6-100	100 / Box



ProTest BI Test Pack (Steam PCD) w/ Instant Readout Integrator

Catalog #	Packaging
PT-3-BITP-5	30 Tests and 5 Controls / Case
PT-3-BITP-30	30 Tests and 30 Controls / Case



ProSpore2

ProSpore2	Population	Catalog Number	Packaging
EO <i>B. atrophaeus</i>	Log 6	PS2-1-6-50	50 / Box
Steam <i>G. stearothermophilus</i>	Log 5	PS2-3-5-50	50 / Box
Steam <i>G. stearothermophilus</i>	Log 6	PS2-3-6-50	50 / Box



Self-Contained Biological Indicators

ProSpore Ampoule and ProAMP are self-contained biological indicators for steam sterilization ideal for validating the sterilization of liquid loads, though they are also suitable for loads containing dry goods. No activation is required. Simply expose the unit to the sterilization process and incubate afterwards. ProSpore Ampoule and ProAMP are validated for 48-hour reduced incubation.

ProSpore Ampoule

4 ml Ampoule

Population	Catalog Number	Packaging
Log 4	PS-4-10	10 / Box
Log 4	PS-4-50	50 / Box
Log 5	PS-5-10	10 / Box
Log 5	PS-5-50	50 / Box
Log 6	PS-6-50	50 / Box



Outer Diameter: 14.75mm +/- 0.15mm
Height: 52.0 - 55.0mm



1 ml Ampoule

Population	Catalog Number	Packaging
Log 4	PS1-4-15	15 / Box
Log 4	PS1-4-100	100 / Box
Log 5	PS1-5-15	15 / Box
Log 5	PS1-5-100	100 / Box
Log 6	PS1-6-15	15 / Box
Log 6	PS1-6-100	100 / Box

Outer Diameter: 10.75mm +/- 0.15mm
Height: 48.5 - 53.0mm

ProSpore Ampoules and ProAMP are refrigerated items and require overnight shipping.

Negative Controls - Industrial Use Only

The negative control is a media ampoule made from the same lot of media used to make the corresponding spore ampoules. Negative controls are available for ProAMP and ProSpore 1ml Ampoule.

ProSpore 1 ml w/ Negative Control (NC)

Population	Catalog Number	Packaging
Log 5	PS1-5-60NC	50 Tests / 10 NC
Log 6	PS1-6-60NC	50 Tests / 10 NC



ProAMP

Population	Catalog Number	Packaging
Log 5	PA-5-110NC	100 Tests / 10 NC
Log 6	PA-6-110NC	100 Tests / 10 NC

Outer Diameter: 6.5mm +/- 0.2mm
Height: 25.0 - 28.0mm

SterilFlex --10 mm X 18 mm, 3 mm thick

Population	Catalog Number	Packaging
Log 6	SF/6	100 / Box



ProAMP 5230

ProAMP 5230 is a compact, self-contained ampoule biological indicator for monitoring industrial low temperature (110 - 118°C) steam sterilization of liquids in small containers. **72-hour incubation.**

Outer Diameter: 6.5mm
Height: 26.0mm

Population	Catalog Number	Packaging
Log 6	PA-B-6-100NC	100 Tests / 10 NC

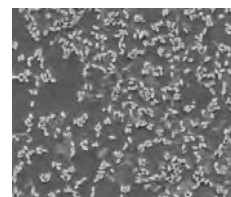
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Apex Products



Description	Catalog #	Packaging
Tyvek/Tyvek Packaged Biological Indicator, <i>G. stearothermophilus</i> (#12980) inoculated stainless steel discs, 10 ⁶ / carrier.	HMV-091	100
Tyvek/Tyvek Packaged Biological Indicator, <i>G. stearothermophilus</i> (#12980) inoculated stainless steel discs, 10 ⁴ / carrier.	KCD-404	100
Bare Metal Biological Indicator, <i>G. stearothermophilus</i> (#12980) inoculated stainless steel ribbon, 10 ⁶ / carrier.	SBC-327	100
Tri-Scale Biological Indicator -- Tyvek packaged BI with 10 ⁶ , 10 ⁵ , and 10 ⁴ inoculated stainless steel carriers (<i>G. stearothermophilus</i> #12980).	LOG-456	50
Bare Metal Biological Indicator, <i>B. atrophaeus</i> (#9372) inoculated stainless steel ribbon with NO D-value, 10 ⁶ / carrier.	PLN-060	100
Tyvek/Tyvek Packaged Biological Indicator, <i>B. atrophaeus</i> (#9372) inoculated stainless steel discs, 10 ⁶ / carrier.	GRS-090	100
Tyvek/Tyvek Packaged Biological Indicator, <i>G. stearothermophilus</i> (#7953) inoculated stainless steel discs, 10 ⁶ / carrier.	NAS-152	100
Sterile Tyvek Transfer Pockets for SBC-327.	BMWK-750	100
<i>G. stearothermophilus</i> (#12980) suspension calibrated for gaseous hydrogen peroxide, (10 ⁷ / 0.1 ml).	LAU-196	10 ml vial
<i>G. stearothermophilus</i> (#7953) suspension calibrated for gaseous hydrogen peroxide, (10 ⁷ / 0.1 ml).	LPT-606	10 ml vial

Contact us directly for: Custom Manufactured Biological Indicators, Spore Crop Production from Environmental Isolates, Resistance Testing (Steam, H₂O₂) and Sterilization Process Investigations.

Industrial Use Biological Indicators

Manufacturers and validation specialists require unique tools where spore strips and ampoules are not suitable because of size, packaging or carrier material. Mesa offers a full line of industrial use BIs to address the unique requirements of the medical device and pharmaceutical industries. Alternative populations/carriers/combinations are available and may be subject to a production fee; please call for specific pricing.

Steel Discs - 8mm x 12mm x 0.45mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Steel Disc	<i>B. atrophaeus</i>	Log 6	Tyvek/Tyvek®	1-6100ST	100
Steel Disc	<i>G. stearothermophilus</i>	Log 5	Tyvek/Tyvek®	3-5100ST	100
Steel Disc	<i>G. stearothermophilus</i> (#7953)	Log 6	Tyvek/Tyvek®	3-6100ST	100
Steel Disc	<i>G. stearothermophilus</i> (#12980) for H2O2	Log 6	Tyvek/Tyvek®	3A-6100ST	100



Steel Coupons - 7mm x 32.8mm x 0.45mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Steel Coupon	<i>B. atrophaeus</i>	Log 6	Tyvek/Tyvek®	1-6100AT	100
Steel Coupon	<i>G. stearothermophilus</i>	Log 5	Tyvek/Tyvek®	3-5100AT	100
Steel Coupon	<i>G. stearothermophilus</i> (#7953)	Log 6	Tyvek/Tyvek®	3-6100AT	100
Steel Coupon	<i>G. stearothermophilus</i> (#12980) for H2O2	Log 6	Tyvek/Tyvek®	3A-6100AT	100



Steel Wires (with and without loop) - Length: 19mm (25mm w/ loop) Diameter: 0.635mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Steel Wire	<i>G. stearothermophilus</i>	Log 6	Tyvek/Tyvek®	3-6100WT	100
Steel Wire w/loop	<i>G. stearothermophilus</i>	Log 6	Tyvek/Tyvek®	3-6100WT-L	100



ProLine PCD

ProLine is a Process Challenge Device (PCD) for use in the validation or monitoring of sterilization cycles of tubing ranging from 3.2mm to 15.8mm ID. ProLine contains a filter paper disc inoculated with bacterial spores of *G. stearothermophilus* for steam or *B. atrophaeus* for EO.



Carrier	Species	Population	Catalog Number	Quantity
ProLine	<i>B. atrophaeus</i>	Log 6	PL-1-6-15	15
ProLine	<i>G. stearothermophilus</i>	Log 6	PL-3-6-15	15

DriAmp® Culturing Set with Releasat® Media

Sand-filled ampoules with *B. atrophaeus* spores designed for extended Dry Heat cycles.

Carrier	Species	Population	Catalog Number	Quantity
Ampoule	<i>B. atrophaeus</i>	Log 6	DH/50	50 Tests / 50 Media Tubes



Industrial Use BIs / Culture Media

Threads - 19mm x 1.5mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Cotton Thread	<i>B. atrophaeus</i>	Log 6	Tyvek®/Mylar	1-6100TT	100
Cotton Thread	<i>G. stearothermophilus</i>	Log 5	Tyvek®/Mylar	3-5100TT	100
Cotton Thread	<i>G. stearothermophilus</i>	Log 6	Tyvek®/Mylar	3-6100TT	100



Polyester Sutures - Length: 5cm Diameter: 0.15mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Polyester Suture	<i>G. stearothermophilus</i>	Log 6	Tyvek®/Mylar	3-6100YT	100



Borosilicate Discs - 7mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
Borosilicate Disc	<i>B. atrophaeus</i>	Log 6	Tyvek®/Mylar	1-6100BT	100
Borosilicate Disc	<i>B. atrophaeus</i>	Log 6	Glassine	1-6100BG	100
Borosilicate Disc	<i>G. stearothermophilus</i>	Log 5	Tyvek®/Mylar	3-5100BT	100
Borosilicate Disc	<i>G. stearothermophilus</i>	Log 6	Glassine	3-6100BG	100



Paper Discs - 6mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
6mm Paper Disc	<i>B. atrophaeus</i>	Log 6	Bulk	1-10006mm	1,000
6mm Paper Disc	<i>G. stearothermophilus</i>	Log 5	Bulk	3-10006mm	1,000



Paper Discs - 9mm

Carrier	Species	Population	Packaging	Catalog Number	Quantity
9mm Paper Disc	<i>B. atrophaeus</i>	Log 6	Bulk	1-1000PB	1,000
9mm Paper Disc	<i>G. stearothermophilus</i>	Log 5	Bulk	3-1000PB	1,000
9mm Paper Disc	<i>G. stearothermophilus</i>	Log 6	Bulk	3-6100PB	100



Culture Media



Mesa Labs manufactures prepared culture media specially formulated for use with our spore products. Other formulations are also available for various microbiological tests.

Tryptic Soy Broth	Catalog Number	Fill	Quantity	Tube Size
Tryptic Soy Broth w/ Phenol Red	TSB-PR13	5-6 ml	100 / Box	13mm x 100mm
Tryptic Soy Broth w/ Bromocresol Purple	TSB-BP13	5-6 ml	100 / Box	13mm x 100mm
Tryptic Soy Broth	TSB-C16	8 ml	100 / Box	16mm x 100mm
Tryptic Soy Broth w/ Phenol Red	TSB-PR16	8 ml	100 / Box	16mm x 100mm
Tryptic Soy Broth w/ Bromocresol Purple	TSB-BP16	8 ml	100 / Box	16mm x 100mm
Tryptic Soy Broth in Screw Capped Bottle	TSB-500	500 ml	minimum purchase 10 bottles	
Tryptic Soy Broth in Screw Capped Bottle	TSB-1000	1000 ml	minimum purchase 10 bottles	

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Spore Suspensions

Spore suspensions are diluted aliquots from our primary spore crop (batch). Suspensions offered in a 40% ethanol solution and are available in a wide range of species. Suspension populations are per 0.1ml. Alternative populations/species and suspensions in purified water are available and may be subject to a production fee; please call for specific pricing. Check out our website for more information on each individual species and their uses.



10ml vial

B. atrophaeus Reference #9372

Catalog #	Population (per 0.1ml)
SUS-1-4	Log 4
SUS-1-5	Log 5
SUS-1-6	Log 6
SUS-1-7	Log 7
SUS-1-8	Log 8

B. subtilis Reference #6633

Catalog #	Population (per 0.1ml)
SUS-1A-4	Log 4
SUS-1A-5	Log 5
SUS-1A-6	Log 6
SUS-1A-7	Log 7
SUS-1A-8	Log 8

B. subtilis Reference #35021 (des. 5230)

Catalog #	Population (per 0.1ml)
SUS-1B-4	Log 4
SUS-1B-5	Log 5
SUS-1B-6	Log 6
SUS-1B-7	Log 7
SUS-1B-8	Log 8

G. stearothermophilus Reference #7953

Catalog #	Population (per 0.1ml)
SUS-3-4	Log 4
SUS-3-5	Log 5
SUS-3-6	Log 6
SUS-3-7	Log 7

G. stearothermophilus Reference #12980

Catalog #	Population (per 0.1ml)
SUS-3A-4	Log 4
SUS-3A-5	Log 5
SUS-3A-6	Log 6
SUS-3A-7	Log 7

C. sporogenes Reference #7955

Catalog #	Population (per 0.1ml)
SUS-CS-6	Log 6
SUS-CS-7	Log 7

G. stearothermophilus Reference #10149

Catalog #	Population (per 0.1ml)
SUS-3B-4	Log 4
SUS-3B-5	Log 5
SUS-3B-6	Log 6
SUS-3B-7	Log 7

B. thuringiensis Reference #29730

Catalog #	Population (per 0.1ml)
SUS-6-6	Log 6
SUS-6-7	Log 7
SUS-6-8	Log 8

B. pumilus Reference #27142

Catalog #	Population (per 0.1ml)
SUS-7-4	Log 4
SUS-7-5	Log 5
SUS-7-6	Log 6
SUS-7-7	Log 7
SUS-7-8	Log 8

B. cereus Reference #11778

Catalog #	Population (per 0.1ml)
SUS-8-6	Log 6
SUS-8-7	Log 7
SUS-8-8	Log 8

B. megaterium Reference #8245

Catalog #	Population (per 0.1ml)
SUS-9-6	Log 6
SUS-9-7	Log 7
SUS-9-8	Log 8

B. smithii Reference #51232 (formerly *B. coagulans*)

Catalog #	Population (per 0.1ml)
SUS-CG-6	Log 6

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Chemical Indicators

From indicator tapes and labels to Class 5 and 6 integrators and emulators, Mesa has a full line of chemical indicators for healthcare and industrial users alike. Mesa offers indicators for a variety of processes including steam, EO, gamma and dry heat. Mesa also offers Bowie-Dick type daily air removal test packs and indicator tapes for steam and EO.

Steam

Type	Packaging	Catalog #
ProChem SSI Steam Indicators	250 / Box	CI-SINT
ProChem EXT Steam Integrator	250 / Box	CI-EXT
ProChem SSE Steam Emulator	250 / Bag	CI-SSIX
ProChem SSW Steam Moving Front Integrator	250 / Bag	CI-SSW
ProChem O.K. Cycle	250 / Bag	CI-OK

ProChem SSI
3 minutes at 132-135°C



ProChem EXT
7 minutes at 135°C
20 minutes at 121°C



ProChem SSE
3.5 minutes at 135°C
4 minutes at 132°C



ProChem SSW
1.5 minutes at 134°C
2.2 minutes at 132°C
24 minutes at 121°C



ProChem OK
Pre-vacuum at 121°C
Pre-vacuum at 134°C



Dry Heat

Type	Packaging	Catalog #
Dry Heat Indicator Labels	1,000 / Roll	CI-DHI

Bowie-Dick Type Tests w/ Lead Free Ink

Type	Packaging	Catalog #
ProChem B-D Test Pack	4 Boxes / Case (80 packs)	CI-BDTLF
ProChem B-D Test Pack	20 Packs / Box	CI-BDTLF20
Bowie Dick Test Sheets	100 / pack	CI-BD110



Indicator Tapes

Type	Packaging	Catalog #
Autoclave Tape - 24mm wide	36 Rolls / Case	CI-STP-24
Autoclave Tape - 24mm wide	Each	CI-STP24-EA
Autoclave Tape - 18mm wide	48 Rolls / Case	CI-STP
Autoclave Tape - 18mm wide	Each	CI-STP-EA
Autoclave Tape - 12mm wide	72 Rolls / Case	CI-STP-12
Autoclave Tape - 12mm wide	Each	CI-STP12-EA
EO Tape - 18mm wide	48 Rolls / Case	CI-ETP
EO Tape - 18mm wide	Each	CI-ETP-EA



Indicator Labels/Dots

Type	Packaging	Catalog #
Gamma Indicator Labels	1,000 / Roll	CI-R02
Gamma Indicator Dots	5,000 / Roll	CI-R03
EO Indicator Labels	1,500 / Roll	CI-E02
EO Indicator Dots	5,000 / Roll	CI-E03
Steam Indicator Dots	5,000 / Roll	CI-S01



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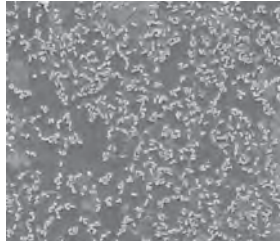
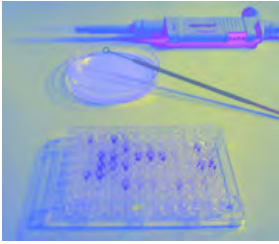
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Services

Mesa Labs offers Steam and EO D-value or Survival/Kill testing in state-of-the-art BIER Vessels. D-value procedures used follow USP/ISO and can be obtained via Spearman Karber (fraction negative) method, Survivor Curve (direct enumeration) or with Stumbo-Murphy-Cochran. Mesa can inoculate and perform D-value analysis on small items (e.g. coupons or stoppers) or we can verify a competitor's claim for D-value, z-value and population. Isolate identification services available for most aerobic samples.



Testing on prepared Biological Indicators

Testing	Process
D-value - Survivor Curve or Spearman/Karber	Dry Heat
D-value - Survivor Curve or Spearman/Karber	Steam
D-value - Survivor Curve or Spearman/Karber	EO
USP Survival/Kill	Steam
USP Survival/Kill	EO
Population Analysis	
Microbial ID (Biolog)	Non-pathogenic gram (+) rods

Additional services available from Mesa, call for a quotation:

- Steam D-value on a commercially prepared BI
- EO D-value on a commercially prepared BI
- Population analysis of a commercially prepared BI
- Inoculation of client provided coupon or solution
- Culturing of Biological Indicators
- Custom filled ampoules
- Custom BI development
- Organism Identification (Biolog)

