

2009 Raven Labs Product List



All products manufactured by Raven 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. Raven's Quality System is registered to ISO 13485:2003 Standards.

Orders may be placed via phone, fax, or email.

8607 Park Drive

P.O. Box 27261

Omaha, NE 68127 USA

info@ravenlabs.com

1-402-593-0781

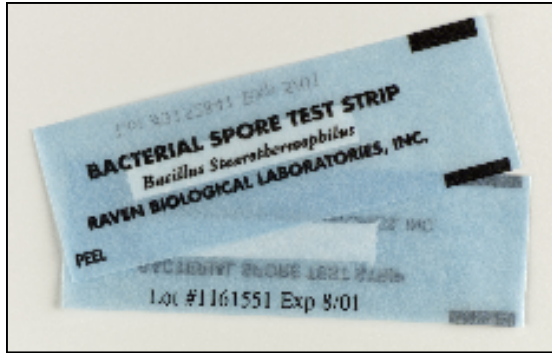
FAX: 1-402-593-0995

Sterility Assurance Products since 1949

www.ravenlabs.com



a division of **L. A. B. S.**



Spore Strips

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

	Population	Catalog #
Bacillus atrophaeus	Log 4	1-4100
(formerly <i>B. subtilis</i>)	Log 5	1-5100
	Log 6	1-6100
	Log 7	1-7100
	Log 8	1-8100
	Log 9	1-9100
Geobacillus stearothermophilus		
(formerly <i>B. stearothermophilus</i>)	Log 3	3-3100
	Log 4	3-4100
	Log 5	3-5100
	Log 6	3-6100
	Log 7	3-7100
Combined (both above species)	Log6/Log5	5-5100
Bacillus pumilus		
	Log 6	7-6100
	Log 7	7-7100
	Log 8	7-8100
	Log 9	7-9100

	ProPACT for the Steris System 1 [®] Processor	25 spore strips and 25 media tubes with 2 Vacustat [®] clips	
	Catalog # C-3-PA-24		

Raven Culture Test Kits		Catalog #
RCT Kit Red Media 25 Tests	25 tubes of 16mm X 100mm TSB with Phenol Red and 25 combined spore strips	C-1080
RCT Kit Purple Media 25 Tests	25 tubes of 16mm X 100mm TSB with Bromocresol Purple and 25 combined spore strips	C-1080P
RCT Kit Red Media 100 Tests	100 tubes of 16mm X 100mm TSB with Phenol Red and 100 combined spore strips	C-1081
RCT Kit Purple Media 100 Tests	100 tubes of 16mm X 100mm TSB with Bromocresol Purple and 100 combined spore strips	C-1081P
RCT Kit Purple Media 100 Tests - Log 6	100 tubes of 16mm X 100mm TSB with Bromocresol Purple and 100 Log 6 <i>G. stearothermophilus</i> spore strips	C-3-6-1081P

Hospital Pack	Population	Catalog #	Price 1-9	Price 10 + Units	
<i>B. atrophaeus</i>	Log 6	1-6025			Each test consists of three spore strips - two to be placed in the sterilizer and one control. 25 tests per box.
<i>G. stearothermophilus</i>	Log 5	3-5025			
Combined species	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 <i>G. stearothermophilus</i> and log 4 through log 8 for <i>B. atrophaeus</i>). An additional spore strip is included in each chart as a control. Steri-Charts are packaged in bundles of ten charts.
<i>G. stearothermophilus</i>	RSC-3-06
<i>B. atrophaeus</i>	RSC-1-06



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ProTest BI Test Pack

ProTest

ProSpore Ampoule

ProSpore2

Self-Contained BIs

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



ProTest BI Test Pack (steam)	5 controls	PT-3-BITP-5	30 Packs/Case
	w/ Instant Readout Integrator	30 controls	PT-3-BITP-30 30 Packs/Case

ProTest BI Test Pack is a pre-assembled Process Challenge Device (PCD) with an Instant Readout Integrator. This challenge pack for steam also includes one (1) ProTest Biological Indicator for verification of biological kill; incubation time is only 24 hours.

ProTest	Population	Catalog #	QTY
<i>G. stearothermophilus</i>	Log 5	PT-3-5-25	25/Box
<i>G. stearothermophilus</i>	Log 5	PT-3-5-100	100/Box
<i>G. stearothermophilus</i>	Log 6	PT-3-6-25	25/Box
<i>G. stearothermophilus</i>	Log 6	PT-3-6-100	100/Box
<i>B. atrophaeus</i>	Log 6	PT-1-6-25	25/Box
<i>B. atrophaeus</i>	Log 6	PT-1-6-100	100/Box
ProTest H2O2	Log 6	PT-3-6-30B	30/Box

ProSpore Ampoule	Population	Catalog #	QTY
4ml Ampoule	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
1ml Ampoule	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	

ProSpore Ampoule requires chilled storage and transit conditions. This product is shipped VIA overnight service.



ProSpore 1ml w/ Negative Control			
50 test (+) and	Log 5	PS1-5-60NC	50+/ 10-
10 negative (-) control per box	Log 6	PS1-6-60NC	50+/ 10-



ProAMP (7.2mm X 27mm)	Population	Catalog #	QTY
10 Negative Control per 100 Tests	Log 5	PA-5-110NC	100 Test/10 NC
	Log 6	PA-6-110NC	100 Test/10 NC

ProSpore2	Population	Catalog #	QTY
<i>B. atrophaeus</i>	Log 6	PS2-1-6-50	50/Box
<i>G. stearothermophilus</i>	Log 5	PS2-3-5-50	50/Box
<i>G. stearothermophilus</i>	Log 6	PS2-3-6-50	50/Box

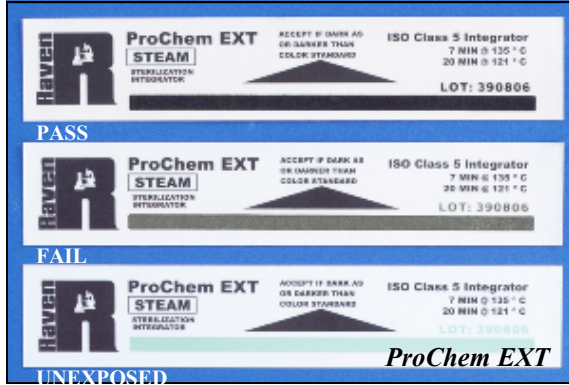


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Chemical Indicators

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



ProChem SSI



ProChem EO

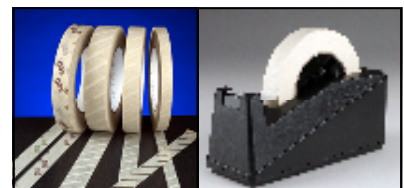


DHI Labels



ProChem BD
Bowie-Dick Test Pack

ProChem Tapes and Dispenser



Chemical Integrators	PKG	Catalog #
ProChem SSI Steam Integrator	250/Box	CI-SINT
ProChem EXT Steam Integrator	250/Box	CI-EXT
EO Integrator	250/Box	CI-EOINT
DHI Labels		
Dry Heat Indicator labels	1000/Roll	CI-DHI
ProChem BD (Bowie-Dick)		
B-D Test Pack w/ Lead Free Ink	20/Box	CI-BDTLF20
B-D Test Pack w/ Lead Free Ink	80/Case	CI-BDTLF
B-D Test Pack EN-867-4	80/Case	CI-BD867-4
B-D Test Sheet w/ Lead Free Ink	100/Package	CI-BD110
Indicator Tapes/Dots		
Autoclave Tape - 24 mm wide	36 Rolls/Case	CI-STP-24
Autoclave Tape - 24 mm wide	Each	CI-STP24-EA
Autoclave Tape - 18 mm wide	48 Rolls/Case	CI-STP
Autoclave Tape - 18 mm wide	Each	CI-STP-EA
Autoclave Tape - 12 mm wide	72 Rolls/Case	CI-STP-12
Autoclave Tape - 12 mm wide	Each	CI-STP-12-EA
EO Tape - 18 mm	48 Rolls/Case	CI-ETP
EO Tape - 18 mm	Each	CI-ETP-EA
Tape Dispenser	Each	CI-T-DISP
Steam Dots - Plain	5,000/Roll	CI-S01
EO Indicator Dots - Imprinted	5,000/Roll	CI-E03
EO Indicator Dots - METO	1,500/Roll	CI-E02
Gamma Indicator Dots - Imprinted	5,000/Roll	CI-R03
Gamma Indicator Dots METO	1,000/Roll	CI-R02



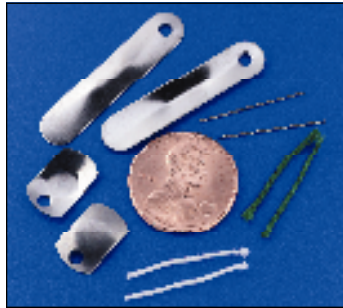
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Industrial Use BIs

Standard BIs are easy to use and are available for industrial or healthcare use. However, some manufacturing situations require a modified or specialty biological indicator to assist in validating the sterilization process. Manufacturers and validation specialists require unique tools where spore strips and ampoules are not suitable because of size, packaging or carrier material. Raven offers a full line of industrial use BIs to address the unique requirements of the medical device and pharmaceutical industries.

B. atrophaeus 9372 and *G. stearothermophilus* 7953 are standard. Other strains are available (e.g. 12980, 10149, 6633, and 5230). Specify when ordering.



Steel Coupons and Discs



Threads



Steel Wires



ProLine



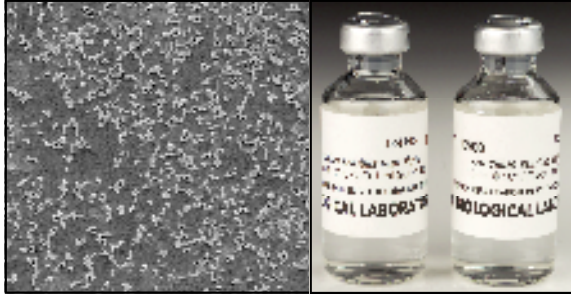
micro-Strips

Carrier	Species	PKG	Catalog #	QTY
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
Steel Disc	<i>B. atrophaeus</i> Log 6	Tyvek/Mylar	1-6100ST	100
Steel Disc	<i>G. stearothermophilus</i> Log 5	Tyvek/Mylar	3-5100ST	100
Steel Disc	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100ST	100
Steel Disc	<i>G. stearothermophilus</i> Log 6 # 12980 for H2O2 Vapor	Tyvek/Mylar	3A-6100ST	100
Thread	<i>B. atrophaeus</i> Log 6	Tyvek/Mylar	1-6100TT	100
Thread	<i>G. stearothermophilus</i> Log 5	Tyvek/Mylar	3-5100TT	100
Thread	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100TT	100
Steel Wire	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100WT	100
Steel Wire with Loop	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100WT-L	100
Poly Sutures	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100YT	100
Steel Coupon	<i>B. atrophaeus</i> Log 6	Tyvek/Mylar	1-6100AT	100
Steel Coupon	<i>G. stearothermophilus</i> Log 5	Tyvek/Mylar	3-5100AT	100
Steel Coupon	<i>G. stearothermophilus</i> Log 6	Tyvek/Mylar	3-6100AT	100
Steel Coupon	<i>G. stearothermophilus</i> Log 6 # 12980	Tyvek/Mylar	3A-6100AT	100
Paper Disc - 6mm	<i>B. atrophaeus</i> Log 6	Bulk	1-61006mm	1,000
Paper Disc - 6mm	<i>G. stearothermophilus</i> Log 5	Bulk	3-51006mm	1,000
Paper Disc - 9mm	<i>B. atrophaeus</i> Log 6	Bulk	1-6100PB	1,000
Paper Disc - 9mm	<i>G. stearothermophilus</i> Log 5	Bulk	3-5100PB	1,000
Paper Disc - 9mm	<i>G. stearothermophilus</i> Log 6	Bulk	3-6100PB	100
ProLine Steam	Disposable plastic assembly with spore disc in glassine. PCD for tubing validation in Steam (<i>G. stearothermophilus</i>)		PL-3-6-15	15/box
ProLine EO	Disposable plastic assembly with spore disc in glassine. PCD for tubing validation in EO (<i>B. atrophaeus</i>)		PL-1-6-15	15/box
micro-Strip - 10mm X 2mm	<i>B. atrophaeus</i> Log 6	Bulk	1-6000-2B	1,000
micro-Strip - 10mm X 2mm	<i>G. stearothermophilus</i> Log 6	In Glassine	3-6100-2G	100
micro-Strip - 10mm X 2mm	<i>B. atrophaeus</i> Log 6	In Glassine	1-6100-2G	100



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10 ml Suspensions

Spore Suspensions are diluted aliquots from our primary spore crop (batch). They are used to directly inoculate a material or solution with a known concentration of spores. Suspensions offered in a 40% ethanol solution or 100% deionized H₂O and are available in a wide range of species. Suspensions require chilled storage and transit conditions. This product is shipped VIA overnight service. Populations are per 0.1 ml.

	Catalog #	Population/0.1mL
<i>B. atrophaeus</i> reference # 9372	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
	SUS-1-9	Log 9
<i>B. subtilis</i> reference # 6633	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
<i>B. subtilis</i> reference # 35021 (designated 5230)	SUS-1B-4	Log 4
	SUS-1B-5	Log 5
	SUS-1B-6	Log 6
	SUS-1B-7	Log 7
<i>G. stearothermophilus</i> reference # 7953	SUS-3-4	Log 4
	SUS-3-5	Log 5
	SUS-3-6	Log 6
	SUS-3-7	Log 7
<i>G. stearothermophilus</i> reference # 12980	SUS-3A-4	Log 4
	SUS-3A-5	Log 5
	SUS-3A-6	Log 6
	SUS-3A-7	Log 7
<i>G. stearothermophilus</i> reference # 10149	SUS-3B-4	Log 4
	SUS-3B-5	Log 5
	SUS-3B-6	Log 6
	SUS-3B-7	Log 7
<i>B. thuringiensis</i> reference # 29730	SUS-6-6	Log 6
	SUS-6-7	Log 7
	SUS-6-8	Log 8
	SUS-6-9	Log 9
<i>B. pumilus</i> reference # 27142	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
	SUS-7-9	Log 9
<i>B. cereus</i> reference # 11778	SUS-8-6	Log 6
	SUS-8-7	Log 7
	SUS-8-8	Log 8
	SUS-8-9	Log 9
<i>B. megaterium</i> reference # 8245	SUS-9-6	Log 6
	SUS-9-7	Log 7
	SUS-9-8	Log 8
	SUS-9-9	Log 9
<i>B. coagulans</i> reference # 51232	SUS-CG-6	Log 6



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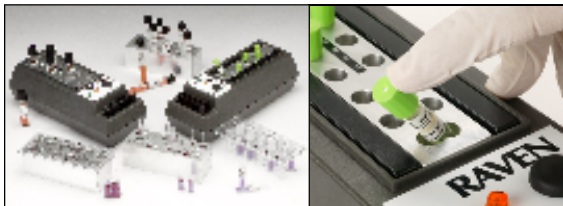
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Prepared Culture Media

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

Culture Media	Fill	QTY	Catalog #	Tube Size
Tryptic Soy Broth	5-6 ml	100/Box	TSB-C13	13mm X 100mm
Tryptic Soy Broth w/ Phenol Red	5-6 ml	100/Box	TSB-PR13	13mm X 100mm
Tryptic Soy Broth w/ Bromocresol Purple	5-6 ml	100/Box	TSB-BP13	13mm X 100mm
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Tryptic Soy Broth	8 ml	100/Box	TSB-C16	16mm X 100mm
Tryptic Soy Broth w/ Phenol Red	8 ml	100/Box	TSB-PR16	16mm X 100mm
Tryptic Soy Broth w/ Bromocresol Purple	8 ml	100/Box	TSB-BP16	16mm X 100mm
<hr/>				
Tryptic Soy Broth in Screw Capped Bottle	500 mL		TSB-500	
Tryptic Soy Broth in Screw Capped Bottle	1000 mL		TSB-1000	



Incubators and Accessories

Raven Labs offers incubators for all of its biological indicator products. Several configurations are available and incubators are built to suit the needs of your specific area. Incubators maintain a range of +/- 2°C.

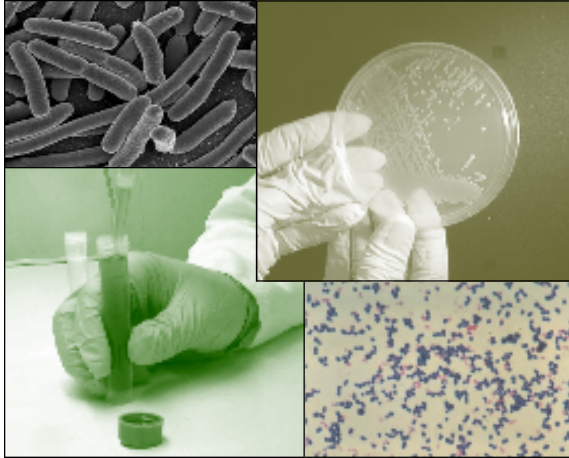
Incubators	120 Volt UL compliant		120 Volt (Outside US)		240 Volt (Outside US)	
	35 Degree	55 Degree	35 Degree	55 Degree	35 Degree	55 Degree
ProSpore Ampoule 4ml	-	I-G55-PS	-	I-120-55-PS	-	I-240-55-PS
ProSpore Ampoule 1ml	-	I-G55-PS1	-	I-120-55-PS1	-	I-240-55-PS1
ProSpore2	I-G35-PS2	I-G55-PS2	I-120-35-PS2	I-120-55-PS2	I-240-35-PS2	I-240-55-PS2
ProTest	I-G35-PT	I-G55-PT	I-120-35-PT	I-120-55-PT	I-240-35-PT	I-240-55-PT
13mm Test Tubes	I-G35-13	I-G55-13	I-120-35-13	I-120-55-13	I-240-35-13	I-240-55-13
ProPACT (16mm Test Tubes)	I-G35-16	I-G55-16	I-120-35-16	I-120-55-16	I-240-35-16	I-240-55-16

Incubator Accessories	Catalog #	Price
Replacement Prospore Ampoule Rack	I-R-PS	
Replacement Prospore2 Rack	I-R-PS2	
ProTest Block	I-R-PT	
13mm Test Tube Block	I-R-13	
ProPACT (16mm Test Tube) Block	I-R-16	
ProSpore 1ml Block	I-R-PS1	
Straight Thermometer	I-T	
Liquid Crystal Strip Thermometer	I-LCD	
Prospore2 Crimper	I-CMP	



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Services

Raven Labs offers Steam and EO D-value or Survival/Kill testing in state-of-the-art Joslyn 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. Raven 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 Services on prepared Biological Indicators		Price
D-value - Survivor Curve or Spearman/Karber	Dry Heat	
	Steam	
	EO	
USP Survival/Kill	Steam	
	EO	
Population Analysis		
Microbial ID (Biolog)	Non-pathogenic gram (+) rods	

Blender & Accessories	Recommended for use in Population Assays	
	Catalog #	Price
Blender	BL1	
Replacement Blades (3) w/ Gasket	BL2	
Set of 3 jars	BL3	
Blender Kit contains Blender, w/ 3 Blade Assemblies and six jars	BL-Kit	
USA Plug Adapter	BL-VC	

Additional services available from Raven, call for a quote:

- 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



All prices are FOB Omaha, NE USA	Raven (Mesa) accepts VISA, MasterCard, and AMEX
Raven will assess a 20% restocking fee on all returned items and a late fee of 1.5% per month to all past due invoices.	



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