

Apex[®]

Apex[®] Biological Indicators for Vaporized Hydrogen Peroxide

Apex Biological Indicator products are intended for the biopharmaceutical, medical device and food industries utilizing vaporized hydrogen peroxide (VH₂O₂) decontamination. The stainless steel carriers are designed for use with today's isolator and filling line applications which makes them ideal for aseptic filling.



Apex EZTest[®] SCBI

Apex EZTest consists of a 9 mm x 0.2 mm stainless steel disc inoculated with *Geobacillus stearothermophilus* 12980 presented in a self-contained biological indicator (SCBI). The incorporated media ampoule not only eliminates the need for a clean bench to culture the BIs, but also minimizes the chance for post-exposure contamination during culturing.



Apex EZTest Crusher

Apex EZTest Crusher can be used as a holder for SCBIs during exposure as well as a crusher for the media ampoules and capper for the units during culturing. This tool facilitates placement and capping of 3 SCBIs at one time.



Stainless Steel Discs in Tyvek[®]/Tyvek Pouches

Apex BIs consist of a 9 mm diameter x 0.2 mm thick stainless steel disc inoculated with varying populations of either *Geobacillus stearothermophilus* 12980, *Geobacillus stearothermophilus* 7953 or *Bacillus atrophaeus* 9372. The discs are packaged in a medical-grade Tyvek envelope which is permeable to VH₂O₂. The envelope has a small hole to facilitate hanging and a thumb notch for peeling. Apex Tri-scale BIs (LOG-456) conveniently provide 3 different populations in one packaging configuration to assist in cycle development and initial validations.



Bare Metal Stainless Steel Ribbon

Apex Ribbons consist of a 6.4 mm x 70 mm stainless steel ribbon inoculated on one end with *Geobacillus stearothermophilus* 12980 and are thin and flexible for easy placement in tight locations. The ribbons are packaged in a Tyvek sleeve but are removed for exposure. The Sterile Tyvek Transfer Pocket (BMWK-750) facilitates transportation of the exposed ribbons to the laboratory for culturing.



Spore Suspension

Apex Spore Suspensions of *Geobacillus stearothermophilus* 12980 and 7953 contain sterilization resistant spores in an ethanol solution. These spore suspensions come in a 10 mL Wheaton[®] vial with a rubber stopper. They are specifically designed for VH₂O₂ decontamination processes.



Releasat[®] Purple Media

Releasat Purple media is specially formulated soybean casein digest culture medium containing the pH indicator Bromocresol Purple. Each 16 x 100 mm tube contains 3.6 mL of medium. Test results are obtained during incubation by observing the medium which changes color from purple to or toward yellow and/or turbid if any spores have survived the process. This media is for use with BIs containing *Geobacillus stearothermophilus*.

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Description	Reorder #	Species	Population	Carrier	Packaging
Apex EZTest SCBI	AP-VH202-SC-S12980/6	<i>G. stearothermophilus</i> 12980	10 ⁶	SS disc/SCBI	30 Self-contained BIs
Apex EZTest Crusher	AP-CRUSH	N/A	N/A	N/A	1/box
Stainless Steel Discs in Tyvek/Tyvek envelopes	HMV-091	<i>G. stearothermophilus</i> 12980	10 ⁶	SS disc	100 Tyvek/Tyvek envelopes
	KCD-404	<i>G. stearothermophilus</i> 12980	10 ⁴	SS disc	100 Tyvek/Tyvek envelopes
	HMV-091E3*	<i>G. stearothermophilus</i> 12980	10 ³	SS disc	100 Tyvek/Tyvek envelopes
	LOG-456	<i>G. stearothermophilus</i> 12980	10 ⁴ , 10 ⁵ , 10 ⁶	SS disc	50 Tyvek/Tyvek envelopes
	NAS-152	<i>G. stearothermophilus</i> 7953	10 ⁶	SS disc	100 Tyvek/Tyvek envelopes
	NAS-152E4*	<i>G. stearothermophilus</i> 7953	10 ⁴	SS disc	100 Tyvek/Tyvek envelopes
	NAS-152E3*	<i>G. stearothermophilus</i> 7953	10 ³	SS disc	100 Tyvek/Tyvek envelopes
	GRS-090	<i>B. atrophaeus</i> 9372	10 ⁶	SS disc	100 Tyvek/Tyvek envelopes
	GRS-090E5*	<i>B. atrophaeus</i> 9372	10 ⁵	SS disc	100 Tyvek/Tyvek envelopes
	GRS-090E3*	<i>B. atrophaeus</i> 9372	10 ³	SS disc	100 Tyvek/Tyvek envelopes
Bare Metal Stainless Steel Ribbon	SBC-327	<i>G. stearothermophilus</i> 12980	10 ⁶	SS ribbon	100 bare metal ribbons
	BMWK-750	Tyvek Transfer Pocket for SBC-327	Sterile	N/A	100 sleeve pockets
Spore Suspension	LAU-196	<i>G. stearothermophilus</i> 12980	10 ⁷ /0.1ml	29% ethanol	10 ml vial
	LPT-606	<i>G. stearothermophilus</i> 7953	10 ⁷ /0.1ml	40% ethanol	10 ml vial
Culture Media	PM/100	N/A	N/A	N/A	100 tubes

*Product is made to order