

Trusted.  
Tailored.  
Precise.

We can help you  
ensure the safety  
of your product.



Monitoring Products for Gamma & E-Beam Sterilization

**IRRAD**

## Chemical Process Indicators

Crosstex Gamma & E-Beam Chemical Process Indicators (CPIs) are manufactured with Crosstex's Eco Friendly Indicating Inks and meet performance specifications as outlined in ISO 11140-1 Sterilization of health care products - Chemical indicators - Part 1: General requirements, for Type 1 Process Indicators. Our Chemical Process Indicators provide a fast and consistent visual check on materials that have been processed by Gamma or E-Beam sterilization processes.

- Consistent and irreversible color transition from yellow to red ( $\geq 10$  kGy dose) or green to dark ( $\geq 1$  kGy dose)
- Permanent pressure-sensitive adhesive
- 24 month shelf life
- Room temperature storage (15°C to 30°C)
- Each shipment is accompanied by a Certificate of Analysis to ensure product quality and consistency

## Chemical Process Indicators

24 month shelf life

	Crosstex Code	Description	Dose Level	Indicators Per Roll	Unexposed	Exposed
	CPI-R01	Circle Indicator Label 12.7 mm	$\geq 10$ kGy	5,000		
	CPI-R03	Circle Indicator Label 12.7 mm with imprinted text "RED IS EXPOSED"	$\geq 10$ kGy	5,000		
	SP-R58	Circle Indicator Label 12.7 mm with imprinted text "RED IS $\gamma$ EXPOSED"	$\geq 10$ kGy	5,000		
	CPI-F01	Circle Indicator Label 12.7 mm	$\geq 1$ kGy	5,000		
	CPI-R02	Indicator Labels for hand-held labeling systems 25 mm x 12 mm	$\geq 10$ kGy	1,000		
	CPI-R06	Indicator Labels for hand-held labeling systems with indicator 25 mm x 12 mm	$\geq 10$ kGy	1,000		
	SP-RXX	Custom Indicator Labels. Please Inquire	Custom	Varies		

Example of Label with Indicator

## Biological Indicators - Traditional Spore Strips

Crosstex offers Biological Indicators (BIs) for use in monitoring Gamma & E-Beam sterilization processes. Our biological indicators are manufactured using precise care, which provides assurance that each glassine pouch contains a biological indicator consistent in population, purity and resistance.

- Inoculated filter paper, each 7 mm x 38 mm, individually packaged in easy-to-handle glassine pouches
- The strips can be easily removed from the glassine pouch by tearing open for transfer to culture media or challenge device assembly
- Convenient shelf packages of 100 units per box
- Products are accompanied by a Certificate of Analysis and are certified with population, purity, and resistance characteristics
- Compliant with ISO 11138-1



### Traditional Spore Strips

*Bacillus pumilus* Cell Line 27142  
24 month shelf life

Crosstex Code	Population	Quantity
PM-106	10 <sup>6</sup>	100/box
PM-107	10 <sup>7</sup>	100/box
PM-108	10 <sup>8</sup>	100/box

## Spore Suspensions

Crosstex manufactures Spore Suspensions utilized in Gamma & E-Beam sterilization processes. The Spore Suspensions are pure suspensions of spores with known radiation resistance characteristics and a variety of population levels standardized per 0.1 mL. The Spore Suspensions allow for direct inoculation of products, typically to verify sterility of devices where a traditional biological indicator spore strip cannot be used.

- Each vial contains 10 mL of suspension. Diluent contains 20% ethanol
- Pharmaceutical grade glass vials with screw cap and septum
- Spore Suspensions require storage under refrigerated conditions (2°C to 8°C)
- Each vial of Spore Suspension is accompanied by a Certificate of Analysis detailing the source, assayed population, resistance characteristics on paper carrier and expiration date
- ISO 11138-1 Compliant



### Spore Suspensions

*Bacillus pumilus* Cell Line 27142  
24 month shelf life

Crosstex Code	Population per 0.1 mL
VBP-106	10 <sup>6</sup>
VBP-107	10 <sup>7</sup>
VBP-108	10 <sup>8</sup>

# Our Product Literature

**CROSSTEX** | INDUSTRIAL

Consistent.  
Reliable.  
Innovative.

Your most trusted partner for sterilization products and services.



Monitoring Products for Steam Sterilization

**STEAM**

**STEAM**

**CROSSTEX** | INDUSTRIAL

Timely.  
Accurate.  
Experienced.

We're with you from start to finish.



Monitoring Products for Ethylene Oxide


**EO**

**EO**

**CROSSTEX** | INDUSTRIAL

Trusted.  
Tailored.  
Precise.

We can help you ensure the safety of your product.



Monitoring Products for Gamma & E-Beam Sterilization

**IRRAD**

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**CROSSTEX** | INDUSTRIAL

Innovative.  
Smart.  
Trusted.

We're your partner for sterilization products.



Monitoring Products for Vaporized Hydrogen Peroxide

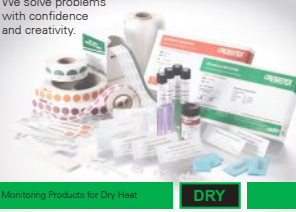
**VH2O2**

**VH2O2**

**CROSSTEX** | INDUSTRIAL

Secure.  
Tested.  
Certified.

We solve problems with confidence and creativity.



Monitoring Products for Dry Uses

**DRY**

Steam-Formaldehyde **FORM**

Chlorine Dioxide **CLO2**

**DRY** **FORM** **CLO2**

**CROSSTEX** | INDUSTRIAL

Precise.  
User-friendly.  
Flexible.


We're here to verify your product performance.



Quality Control Test Suspensions - Growth Promotion

**CROSSTEX** | INDUSTRIAL

THE RIGHT MASK FOR THE RIGHT TASK!



**MaskEconomics™**  
The Crosstex guide to face mask selection and use. Available at [www.crosstex.com](http://www.crosstex.com) or 1-800-866-1888.

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