Trusted. Tailored. Precise.

We can help you ensure the safety of your product.

Monitoring Products for Gamma & E-Beam Sterilization
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 (≥10 kGy dose) or green to dark (≥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

<table>
<thead>
<tr>
<th>Crosstex Code</th>
<th>Description</th>
<th>Dose Level</th>
<th>Indicators Per Roll</th>
<th>Unexposed</th>
<th>Exposed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPI-R01</td>
<td>Circle Indicator Label 12.7 mm</td>
<td>≥10kGy</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPI-R03</td>
<td>Circle Indicator Label 12.7 mm with imprinted text “RED IS EXPOSED”</td>
<td>≥10kGy</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP-R58</td>
<td>Circle Indicator Label 12.7 mm with imprinted text “RED IS EXPOSED”</td>
<td>≥10kGy</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPI-F01</td>
<td>Circle Indicator Label 12.7 mm</td>
<td>≥1kGy</td>
<td>5,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPI-R02</td>
<td>Indicator Labels for hand-held labeling systems 25 mm x 12 mm</td>
<td>≥10kGy</td>
<td>1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPI-R06</td>
<td>Indicator Labels for hand-held labeling systems with indicator 25 mm x 12 mm</td>
<td>≥10kGy</td>
<td>1,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP-RXX</td>
<td>Custom Indicator Labels. Please Inquire</td>
<td>Custom</td>
<td>Varies</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Example of Label with Indicator
Biological Indicators

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

<table>
<thead>
<tr>
<th>Crosstex Code</th>
<th>Population</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM-106</td>
<td>$10^6$</td>
<td>100/box</td>
</tr>
<tr>
<td>PM-107</td>
<td>$10^7$</td>
<td>100/box</td>
</tr>
<tr>
<td>PM-108</td>
<td>$10^8$</td>
<td>100/box</td>
</tr>
</tbody>
</table>

## 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

<table>
<thead>
<tr>
<th>Crosstex Code</th>
<th>Population per 0.1 mL</th>
</tr>
</thead>
<tbody>
<tr>
<td>VBP-106</td>
<td>$10^6$</td>
</tr>
<tr>
<td>VBP-107</td>
<td>$10^7$</td>
</tr>
<tr>
<td>VBP-108</td>
<td>$10^8$</td>
</tr>
</tbody>
</table>
Our Product Literature

Authorized Distributor:

Monitoring Products for Ethylene Oxide

Monitoring Products for Gamma & E-Beam Sterilization

Monitoring Products for Steam Sterilization

Quality Control Test Suspensions - Growth Promotion

Monitoring Products for Dry Heat

Chlorine Dioxide

Steam-Formaldehyde

Monitoring Products for Vaporized Hydrogen Peroxide

IRRAD

EO

STEAM

VH2O2

CLO2

We solve problems with confidence and creativity.

We’re here to verify your product performance.

Consistent. Reliable. Innovative.
Your most trusted partner for sterilization products and services.

We’re with you from start to finish.

Trusted. Tailored. Precise.
We can help you ensure the safety of your product.

Monitoring Products for Steam Sterilization

Innovative. Smart. Trusted.
We’re your source for sterilization products.

Innovative. Smart. Trusted.
We’re your source for sterilization products.

Monitoring Products for Steam Sterilization

We’re your partner for sterilization products.

SterilizationProducts.com

crosstex.com

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Email: ProductOrders@crosstex.com