



INSTRUCTIONS FOR USE

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- 1. Exposure:** Place one or more Biological Indicators in the most difficult location to sterilize, usually near the drain or suspended in a volume of liquid. Run cycle.
Caution: After sterilization, handle Self-contained indicators with care. Contents of the indicators are hot and under pressure. Failure to allow sufficient cooling time (10-15 minutes) may result in bursting of the indicator. Then break the glass ampoule inside the indicator.
- 2. Incubation:** Place the processed indicator in a vertical position in an incubator at 55-60°C. Mark a control indicator as such and incubate along with processed indicator to ensure spore viability. We recommends an incubation time of 48 hours.
- 3. Monitoring:** Examine the indicator daily during incubation. Record observations. All positive indicators should be recorded and then disposed of immediately.
- 4. Interpretation:**
 - a. Control:** The control indicators should exhibit a color change to or toward yellow and/or turbidity. If the control indicator does not show signs of growth, consider the test invalid.
 - b. Test:** A failed sterilization cycle is indicated by turbidity and/or a change in color to or toward yellow. A test indicator that retains its color indicates an adequate sterilization cycle.

Survival Time (in minutes) = not less than (labeled D-value) x [(log 10 labeled spore count) – 2]*

Kill Time (in minutes) = not more than (labeled D-value) x [(log 10 labeled spore count) + 4]*

*These equations are taken from the current USP.