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RAVEN ProSpore2 Self-Contained Biological Indicator

For **steam/EtO** sterilization cycles

Storage: 18-27°C, 30-70% relative humidity. Protect from freezing, Sterilants, direct sunlight and all other forms of UV light. **Do not refrigerate.**

Instructions for Use

Exposure: Place one or more Raven ProSpore2 Biological Indicators in a horizontal position in the most difficult location to sterilize. Run cycle.

Caution: After sterilization, the contents of the ampoule may be hot and under pressure. Failure to allow sufficient cooling time (10-15 minutes) may result in dangerous bursting of the ampoule.

Activation:

Seal the cap immediately after retrieving the vials by pressing down firmly until flush with tube.

Allow the unit to cool (not longer than 15 minutes).

Crush the media ampoule with the tool provided or by squeezing the sides of the plastic tube.

Inspect the unit to ensure the spore disc has been completely saturated with the growth media. If the spore disc has not been completely saturated, simply hold the unit in a vertical position and gently tap the bottom on a hard surface until the disc is immersed in the media.

Incubation*: Place the processed vial(s) and one unprocessed (control) vial in a vertical position in an incubator at:

- 55-60°C for steam (*Geobacillus stearothermophilus*) for 24 hours.
- 30-35°C for EtO (*Bacillus atrophaeus*) for 48 hours.

Monitoring: Examine the ProSpore2 vials daily during incubation. Record observations. All positive vials should be recorded and disposed of immediately. **DO NOT CONTINUE TO INCUBATE POSITIVE VIALS.** Continued growth may result in metabolism of amino acids in the absence of sugars, causing the pH to rise and a color reversion that is visibly darker than a sterile unit. These should be considered as positive for growth. Avoid misinterpretation by checking for growth daily and removing positives immediately.

E. Interpretation:

Control: The control vial should exhibit a color change to or toward yellow and/or turbidity. If the control ampoule does not show signs of growth, consider the test invalid.

Test: A failed sterilization cycle is indicated by turbidity and/or a color change to or toward yellow. A test ampoule that retains its original color indicates an adequate sterilization cycle.

*USP recommends incubating within 4 hours of removal from sterilizer.