



## **EZTEST®**

### ***SELF-CONTAINED BIOLOGICAL INDICATORS***

**7953<sup>(1)</sup>** *G. stearothermophilus*; **9372<sup>(1)</sup>** *B. atrophaeus*

- EZTest contains a known quantity of bacterial spores inoculated onto filter paper and placed inside a plastic culture with a crushable glass ampoule containing the culture medium.
- Available for steam processes and contains the spores of *Geobacillus stearothermophilus*. A chemical indicator on the label changes color from blue to black when sterilization exposure has occurred.
- Available for ethylene oxide gas processes and contains the spores of *Bacillus atrophaeus*. A chemical indicator on the label changes from blue to brown when sterilization exposure has occurred.

#### **Instructions for Use:**

1. Place the EZTest biological indicator in a horizontal position in the most difficult to sterilize location of the load.
2. For Flash cycles, articles should be unwrapped.
3. Place a sufficient number of EZTest biological indicators throughout the load to be sterilized. NOTE: This number will vary depending on the regulations being met but never less than two is recommended. Ten units per cycle are commonly used.
4. Expose the load to the sterilization cycle.
5. After sterilizing, send test units to the test laboratory along with at least one non-sterilized unit marked POSITIVE CONTROL.
6. Following exposure, remove the EZTest biological indicators as soon as the load cools or has been aerated.
7. Crush the glass culture medium ampoule using a SGM crusher to activate the culture system.
8. Place in appropriate incubator:

<sup>(1)</sup> Culture is traceable to a recognized culture collection identified in USP and ISO 11138.

Organism	Process	Temperature	Read Time
<i>Bacillus atrophaeus</i>	ethylene oxide	35-39°C	48 hours
<i>Geobacillus stearothermophilus</i>	steam	55-60°C	24 hours

9. If the spores survive the sterilization cycle, the culture medium will turn to yellow (positive).
10. If the spores have been killed, the culture medium will remain the original color (red - ethylene oxide; purple - steam).
11. It is best to read results approximately every 12 to 24 hours.
12. All positive (yellow) samples should be recorded and discarded immediately. All yellow samples should be autoclaved prior to disposal.

**EZTest Advantages:**

- Convenient to culture.
- Results are final in 48 hours for ethylene oxide.
- Results are final in 24 hours for steam.
- Dramatic color change for positive cultures.
- No special laboratory is necessary for culturing.

**Certification:**

EZTest biological indicators are certified for population, D-value, Z-value and performance. EZTest biological indicators are manufactured in compliance to USP and ISO-11138.

**EZTest Biological Indicators are available as follows:**

EZTest Steam		
	Units per box	Reorder Number
<i>G. stearothermophilus</i> 10 <sup>5</sup>	100	EZS/5
<i>G. stearothermophilus</i> 10 <sup>5</sup>	25	EZS/525
<i>G. stearothermophilus</i> 10 <sup>6</sup>	100	EZS/6
<i>G. stearothermophilus</i> 10 <sup>6</sup>	25	EZS/625
EZTest EO Gas		
<i>B. atrophaeus</i> 10 <sup>6</sup>	100	EZG/6
<i>B. atrophaeus</i> 10 <sup>6</sup>	25	EZG/625

**Storage:** Room Temperature. Do Not Desiccate.

**Expiration:** 24 months from date of manufacture

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