



Smart-Read™ EZTest® Steam
SELF-CONTAINED BIOLOGICAL INDICATORS

7953⁽¹⁾ *G. stearothermophilus*

- EZTest Steam BI contains a known quantity of *G. stearothermophilus*, 7953, bacterial spores inoculated onto filter paper and placed inside a plastic culture tube with a crushable glass ampoule containing the culture medium.
- Available for steam processes at 121°, 132°, 134° and 135°C. A chemical indicator on the label changes color from blue to black when sterilization exposure has occurred.
- One Smart-Read EZTest biological indicator needed to cover pre-vacuum, gravity-displacement, flash or express sterilization cycles.

Instructions for Use:

1. Place the Smart-Read 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 Smart-Read 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.
4. Expose the load to the sterilization cycle.
5. Following exposure, remove the Smart-Read EZTest biological indicators as soon as the load cools.
6. After sterilizing, activate the test units by crushing the glass culture medium ampoule using the crusher on the Smart-Well incubator. Place them into the Smart-Well incubator along with at least one non-sterilized unit marked POSITIVE CONTROL each day.
7. Place in cells 1-10 in the Smart-Well incubator. The positive control should be placed in the cell labeled C.

Organism	Process	Temperature	Read Time
<i>Geobacillus stearothermophilus</i>	steam	60°±2°C	10 hours

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8. If the spores survive the sterilization cycle, the culture medium will turn yellow (positive).
9. If the spores have been killed, the culture medium will remain the purple color.
10. The Smart-Well incubator will monitor and record all positive (yellow) samples. All yellow samples should be autoclaved and disposed.

Smart-Read EZTest Advantages:

- Failed sterilization cycles detected in 3 to 5 hours.
- Convenient to culture.
- Dramatic color change for positive cultures.
- Results are final in 10 hours.
- No special laboratory is necessary for culturing.

Certification:

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

Smart-Read EZTest Biological Indicators are available as follows:

Smart-Read EZTest Steam		
Spore	Units per box	Reorder Number
<i>G. stearothermophilus</i> 10 ⁵	100	SEZS/5
<i>G. stearothermophilus</i> 10 ⁵	25	SEZS/525
<i>G. stearothermophilus</i> 10 ⁶	100	SEZS/6
<i>G. stearothermophilus</i> 10 ⁶	25	SEZS/625

Storage: Room Temperature. Do Not Desiccate.

Expiration: 24 months from date of manufacture.