

## Biological Indicator (Hydrogen Peroxide Vapor)

### Instruction of Use

#### Strain

*Geobacillus stearothermophilus* NBRC12550 (ATCC 12980)

#### Culture Medium

Medium: Soybean Casein Digest broth

Indicator: Bromocresol Purple

#### Storage

- Store under the conditions of 2-25°C, 20-80% RH, away from light. (Store the culture medium under the conditions of 2-10°C)
- Do not store these indicators near sterilants or other chemicals.

#### Before using

- Please check expiration date before using.
- Please check the integrity before using.
- Let the indicators return to room temperature before using, in the case of refrigerated storage.

#### Disposal

- Dispose of any positive cultures or expired indicators by autoclaving at 121°C for not less than 30 minutes.

### USE

- 1 Place spore strip bags in selected sites. Conduct an exposure.
- 2 Following exposure, remove the bags and transfer them to the laboratory for culturing.
- 3 In the laboratory, bags should be handled using strict aseptic technique and working in a Class 100 certified workstation. Open each bag and the spore strip should then be poured into individual tubes of culture medium.
- 4 Place the tubes in the incubator and incubate immediately at 55-60°C for 24 hours, 48 hours or 7 days.
- 5 As a positive growth control, transfer a non-exposed strip to culture medium and incubate meanwhile. **POSITIVE CONTROL** should be performed for each cycle.

### INTERPRETATION

**Negative** : No color change ⇒ Adequate sterilation

**Positive** : A color change toward yellow ⇒ Bacterial growth

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