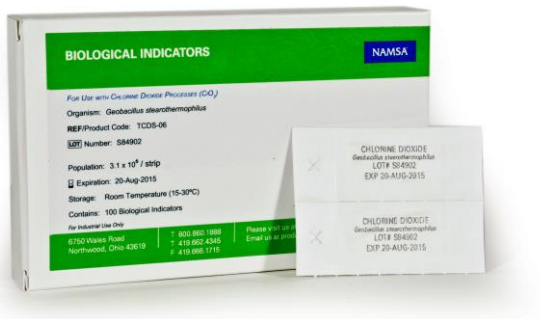
ClorDiSys

"The Chlorine Dioxide People"

Providing you with chlorine dioxide solutions for your decontamination needs

CD Biological Indicators

ClorDiSys Solutions, Inc. features NAMSA's biological indicators for the highest standard of repeatable and consistent results. For chlorine dioxide sterilization cycles, biological indicators are chosen with 10^6 *Geobacillus stearothermophilus* spores inoculated on paper strips and wrapped in tyvek for their high resistance to the chlorine dioxide decontamination process.



Biological indicators can be used for initial validation or as part of ongoing cycle verification procedures. Biological indicators can be placed out in the open or in more challenging areas to test the distribution and penetration properties of CD gas.

Upon decontamination cycle completion, the BIs are removed and incubated for 36 hours. Because of the tyvek pouch, the biological indicators can be left in the pouch during the exposure phase of your decontamination cycle and are removed and incubated after the aeration phase of the procedure. BI results can be kept as part of your facility log to provide documented evidence that the decontamination process was successful.

General Use: Please follow instructions provided with each bag of biological indicators.

1. Place the biological indicator inside the target chamber and place in the most difficult location.
2. Place a sufficient number of BI's throughout the area to be decontaminated.
3. Following exposure to CD gas, remove the BI's as soon as the area has been aerated. Transfer the spore strips to the laboratory for culture.
4. Using strict aseptic techniques and working in a Class 100 certified work station, transfer each biological indicator to an appropriate tube of culture medium (Soybean casein digest broth)(Part# BI-S-MED/100-001).
5. Incubate the strips at the appropriate temperature for 36 hours.
   a) *Geobacillus stearothermophilus*: 55-60°C
6. If the spores survive the sterilization cycle, the culture medium will become turbid and cloudy. NOTE: Verify all positive cultures microscopically for gram positive, spore forming rods. Biochemical characterization is not necessary.
7. Autoclave all positive samples prior to disposal.

Storage: Controlled, room temperature (15-30°C).

Product Number	Description
BI-S/100-001	100 *Geobacillus stearothermophilus* BI's

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