

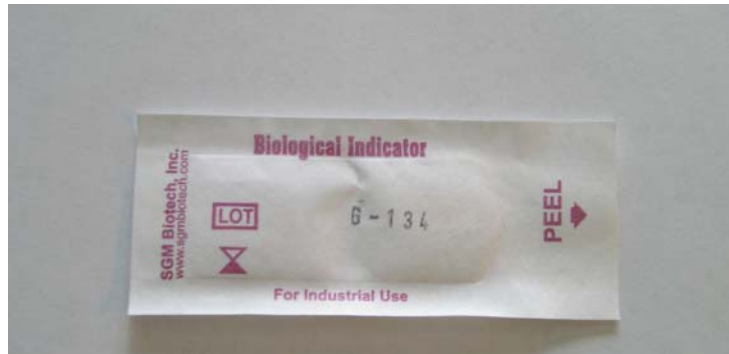


*"The Chlorine Dioxide People"*

Providing you with chlorine dioxide solutions for your decontamination needs

## **CD Biological Indicators (BI's) Part # CSI-BI-001**

ClorDiSys Solutions, Inc BI's are a convenient source for SGM Biological Indicators wrapped in a tyvek/mylar pouch. They are selected for chlorine dioxide gas and contain  $10^6$  Bacillus atrophaeus spores. ClorDiSys features SGM Biological Indicators since they are of the highest standards for repeatable results. These BI's can be used for initial process validation as well as to prove ongoing proof of efficacy. Because of the tyvek pouch, a CD BI is left in the pouch during exposure and is not required to be removed until it is in an environment where it is to be incubated. The CD BI's can be placed throughout the area to be decontaminated to demonstrate that the sporicidal inactivation occurred in all areas. The BI results can be kept as part of your facility log to provide documented evidence that the decontamination process was successful.



To use you simply place the BI's in the area to be decontaminated, remove from the pouch and incubate, and then look for growth.

**Use: Please follow instructions provided with each bag of SGMStrip 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).
5. Incubate the strips at the appropriate temperature for seven days.
  - a) Bacillus atrophaeus – 30-35°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).

Part # CSI-BI-001 Each package contains 100 Bacillus atrophaeus BI's.

**Call us for more information about the power of Chlorine Dioxide**



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