

## Technical Data Sheet

Date: 01/06/2015

Product Code: LM-B1020  
Description: Bioguard-A

**Storage conditions :** -20°C  
**Shelf life :** 24 months

### **Recommended use :**

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Wear clothes adapted to the manipulation of the product (e.g: gloves, mask, overall ...)

The product is intended to be use in-vitro, in laboratory only. Do not use it in therapy, human or veterinary applications.

### **Principle of cleaning and disinfecting CO2 Incubators :**

A CO2 incubator is a basic piece of equipment in any laboratory involved in cultivation of in vitro cells. The culture bottles must be kept slightly opened in order to allow the penetration of CO2, and enable the formation of a bicarbonate-CO2 buffer system, which is the most common buffer system for tissue culture. Leakage of medium from the culture bottles, high humidity, suitable temperature, the water tray and the air flow, all form a fertile breeding ground for the development of contaminants in the incubator, which are liable to contaminate the tissue culture in all the semi-opened culture bottles.

As soon as contamination appears in the incubator, it is very difficult to eliminate it, and severe damage can be caused. Therefore, it is essential to systematically clean and disinfect the incubator. It is recommended to disinfect every 14 days, or at least once a month.

### **Instructions for use :**

#### **- Cleaning :**

The shelves and surfaces of the incubator should be cleaned with soap and water. After washing with water, dry with absorbent paper.

#### **- Disinfecting CO2 Incubator water baths :**

The water required for humidity is a source of contamination which disperses in the incubator. In order to disinfect the water, we recommend Bioguard-A Solution (CAT N° LM-B1020), which contains a disinfectant that does not cause damage to the stainless steel tray, is non-toxic, non-volatile, and extremely effective. We recommend to use Bioguard-A for the water trays of common incubator types. Some larger incubators may use steam-generators or atomizers to control relative humidity levels. Please ask whether Bioguard-A is suited for such incubators as well.

The water should be replaced with sterile water every two to four weeks, adding 50 ml of Bioguard-A per 5 liters of water.

Preventive treatment as described above will prevent damage that can be caused as a result of contamination to the tissue culture. In addition, it will also prevent the necessity of dealing with contamination that has dispersed in the incubator and causes repeated contamination of the tissue culture

**Related product :**

- For elimination of mycoplasmas in cell cultures, we recommend using our Nanomycopulitin® 20X (CAT N° LM-A4116).
- For convenient and sensitive detection of mycoplasma contamination, we recommend using our Mycokit detection for conventional or Real-Time PCR (CAT N° XC-K1380).
- For disinfection of the incubator surfaces, we recommend using our Bioguard-S Solution (CAT N° LM-B1010) which does not contain mercury, formaldehyde, phenol or alcohol. Bioguard-S is very effective against bacteria, fungi, spores, and viruses. It is recommended to spray the incubators thoroughly every two weeks.
- For disinfection of various kinds of water baths, we recommend using our Bioguard-B Solution (CAT N° LM-B1030). Bioguard-B is very effective against microorganisms such as bacteria and fungi.