



# Technical Data

## Sterile BL I, Concentrate

FD297A

Sterile Beta Lactamase I Concentrate is a highly purified enzyme based product specifically designed for inactivation of Penicillins.

### Composition

(Per vial contains 20 ml of)

| *Ingredients  | Potency <sup>1</sup>     | Inactivation of<br>Penicillin G <sup>2</sup> |
|---------------|--------------------------|--|
| Penicillinase | 20,000 Levy units/ml/min | 10,000,000 IU/ml/min                         |

**Note:** 1. Levy Unit (LU) : amount of penicillinase that inactivates 59.3 IU (International Units) of Sodium Penicillin G per minute at 25°C and pH 7.0

2. Not all penicillins are comparable to Penicillin G in regards to their inactivation by penicillinase. Some may require as much as 20 times more penicillinase than does Penicillin G

### Directions:

Sterile Beta lactamase I Concentrate is an optimized ready to use solution that can be directly added to the test sample. The amount of product to be added to the test sample should be determined and set-up depending on the application, concentration of antibiotic to be inactivated and depending on the specific beta-lactam that has to be inactivated. Add appropriate amount of solution depending on the application. Remaining solution can be stored at 2-8°C. Aseptic techniques are to be followed throughout the procedure.

### Type of specimen

Pharmaceutical samples

### Specimen Collection and Handling

For pharmaceutical samples follow appropriate techniques for handling specimens as per established guidelines. After use, contaminated materials must be sterilized by autoclaving before discarding.

### Warning & Precautions

For professional use only. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

### Storage and Shelf Life

Store at 2 - 8°C. Use before expiry date on the label.

### Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (1,2).

### Reference

1. Isenberg (Ed.), 2004, Clinical Microbiology Procedures Handbook, Vol.3, American Society for Microbiology, Washington, D.C.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

\* Not For Medicinal Use

Revision : 02/2023

### Disclaimer :

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.