



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Sterile BL I, Concentrate

Product Code: MS2297A

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

Composition**

(Per vial contains)

Each vial contains 20 ml of

*Ingredients	Potency(1)	Inactivation of Penicillin G (2)
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

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).

Storage and Shelf Life

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



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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**

Disclaimer

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
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