



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Sterile Beta Lactamase Liquid Mixture (Ready to use)

Product Code: MS 2296

Application: Sterile Beta Lactamase liquid mixture is a ready to use innovative enzyme based product that can efficiently inactivate wide range of antibiotics like Penicillins, Cephalosporins of first, second, third and fourth generation and Penems.

Composition**

(Per vial contains) Each vial contains 10 ml of

Ingredients

Cephalosporinase

Gms / Litre

> 100 IU activity/vial

Penicillinase

> 1000 IU activity/vial

1 IU is defined as the amount of enzyme needed to hydrolyze 1 μ mole of Penicillin G (Penicillinase) or 1 μ mole of Cephalosporin C (Cephalosporinase) per minute at 25°C and pH 7.0. 1 IU of Penicillinase corresponds to 600 Levy Units or 75 Pollock Units.

Directions

Sterile Beta Lactamase liquid mixture is an optimized ready to use solution that can be directly added to the test samples. 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 should be inactivated. 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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Further Reading

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.

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.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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