

β -Lactamase CTZ



THE PRODUCT

β -Lactamase CTZ is a broad-spectrum beta-lactamase capable of degrading penicillins, cephalosporins and monobactams.

FORMULATION AND PACK SIZE

β -Lactamase CTZ is supplied as **non-sterile lyophilized** product with the following pack sizes available:

-cod. CTZ: pack size of 5 vials each of which contains
>100 IU of cephalosporinase activity/vial

-cod. CTZ Bulk: lyophilized, non-sterile, pack size on demand with the following specification:
>2.5 IU/mg of cephalosporinase activity

1 IU of Cephalosporinase activity is defined as the amount of enzyme that catalyzes the hydrolysis of 1 μ mole of cephalosporin C per minute at 25 °C and at pH 7.0.

APPLICATION

The **β -Lactamase CTZ** is used for sterility testing and environmental monitoring and for the inactivation of beta-lactams from blood and organic samples before they are subjected to routine microbiological analysis. The use of this enzyme is specifically indicated for the inactivation of some cephalosporins such as CEFTAZIDIME, CEFTIBUTEN and CEFEPIME.

USAGE

β -Lactamase CTZ is supplied as lyophilized formulation and should be stored between -25 °C and +8 °C.

Dissolve the powder in distilled water. After dissolution insoluble particulates may appear without affecting the performance of the product.

STABILITY OF REAGENTS

β -Lactamase CTZ have a stability of 36 months from manufacturing date. The powders should be stored between -25 °C and +8 °C

OTHER INFORMATIONS

The product is not sterile.

The product does not contain animal derived components or additives.



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