



## Certificate of Analysis

**Product name:  $\beta$ -Lactamases Mix**

**Bacillus cereus 569/H9**

**Product code: # BM5 IR**

**Batch: 031.00124**

**Mfg Date: January 2024**

Tests	Specifications	Results	Comment
Beta-lactamase II (IU/vial)	> 50	152	Passed
Beta-lactamase I (IU/vial)	> 500	2568	Passed

### Unit definition

One International Unit of Beta-lactamase II (cephalosporinase) activity is defined as the amount of enzyme that catalyze the hydrolysis of 1.0 micromole of cephalosporin C per minute at 25 °C at pH 7.0.

One International Unit of Beta-lactamase I (penicillinase) activity is defined as the amount of enzyme that catalyze the hydrolysis of 1.0 micromole of benzylpenicillin per minute at 25 °C at pH 7.0

### Storage and use conditions

The enzyme is supplied as lyophilized sterile formulation and should be stored between -25 °C and +8 °C. Dissolve the powder in distilled water.

**The product is sterilised by ionizing radiation.**

The product does not contain animal derived components or additives.

**Exp. Date: January 2027**

Quality Assurance

Rosaria Cassese

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