



## Certificate of Analysis

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

**Bacillus cereus** 569/H9

**Product code:** # BM5 IR

**Batch:** 031.00122

**Mfg Date:** March 2022

| Tests                       | Specifications | Results | Comment |
|-----------------------------|----------------|---------|---------|
| Beta-lactamase II (IU/vial) | > 50           | 153     | Passed  |
| Beta-lactamase I (IU/vial)  | > 500          | 2709    | 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:** March 2025

Quality Assurance

Rosaria Cassese

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