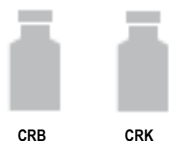


Carbamator™ / Carbamator™ Plus



CRB

CRK

THE PRODUCT

Carbamator™ and **Carbamator™ Plus** have been developed in the CPC Biotech laboratories to release highly efficient enzymatic products mainly in the degradation of carbapenems. Both enzymes belong to the class of carbapenemases which are beta-lactamases specifically able to hydrolyze different classes of antibiotics, such as penicillins, cephalosporins and, precisely, carbapenems.

FORMULATION AND PACK SIZE

Carbamator™ and **Carbamator™ Plus** are available as **non-sterile lyophile products** in the following pack sizes:

Carbamator™

-cod. CRB-MP Bulk: lyophilized, non-sterile, pack size on demand with the following specification:

Cephalosporinase Specific Activity (IU/mg of powder)
> 20 IU/mg of powder

Carbapenemase Specific Activity (IU/mg of powder)
> 30 IU/mg of powder

Carbamator™ Plus

-cod. CRK-MP Bulk: lyophilized, non-sterile, pack size of 1 bottle containing 500 KU of enzyme with the following specification:

Cephalosporinase Specific Activity (IU/mg of powder)
≥ 20 IU/mg of powder

Carbapenemase Specific Activity (IU/mg of powder)
≥ 5 IU/mg of powder

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

1 IU of Carbapenemase activity is defined as the amount of enzyme that catalyzes the hydrolysis of 1 μmole of Imipenem per minute at 25 °C and at pH 7.0.



APPLICATION

Carbamator™ was developed with the aim of providing a highly specific enzymatic product for the complete and effective inactivation of high concentrations of carbapenems thus finds its application in environmental monitoring and sterility tests in pharmacological areas.

Carbamator™ Plus is an innovative product with a broader spectrum of action which combines the enzymatic activity of cephalosporinase with that on carbapenems. **Carbamator™ Plus** is used for sterility testing, environmental monitoring and total count.

USAGE

Carbamator™ and **Carbamator™ Plus** are supplied as lyophilized formulation: the powder has to be dissolved in distilled water. After dissolution insoluble particulates may be appear without affecting the performance of the product.

The product is not sterile. If necessary, sterilize by filtration. After dissolution, filter using sterile 0.20 μm filters with low protein binding under sterile conditions.

STABILITY OF REAGENTS

Carbamator™ and **Carbamator™ Plus** have a stability of 48 months from manufacturing date. The powders should be stored at -25°C/+8 °C.

OTHER INFORMATIONS

Carbamator™ and **Carbamator™ Plus** appear as yellowish powders. Both the products do not contain animal derived components or additives.



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