

COLLAGENASE MB

Collagenase prepared from bacteria *Clostridium histoliticum*

Description

COLLAGENASE MB is a mixture of collagenase type I and II obtained as a product of the metabolism of the bacterial strain *Clostridium histolyticum*. After cultivation, the product is processed using dialysis, filtration, and ultrafiltration. It is supplied in lyophilized form in glass vials.

There are two types of products available:

- COLLAGENASE MB CR - raw filtrate - a mixture of collagenase and other bacterial enzymes (clostripain, neutral proteases),
- COLLAGENASE MB PU - chromatographically purified collagenase without the presence of other bacterial enzymes.

Use

- COLLAGENASE MB is useful for the digestion of various organic tissues.
- Before use, the lyophilizate must be dissolved in a suitable application solution (e.g., PBS, HBSS, TES, DMEM).
- For sterilization, insoluble particles must be removed (by centrifugation or filtration) and then sterilized by filtration through a 0.2 µm filter.
- COLLAGENASE MB is intended for laboratory use only.

Specifications

| | COLLAGENASE MB CR | COLLAGENASE MB PU |
|----------------------------------|--------------------------------------|----------------------|
| enzymatic activity | > 0.1 FALGPA U/mg; > 0.5 FALGPA U/mg | |
| total presence of microorganisms | < 10 ³ CFU/g | |
| <i>Escherichia coli</i> | negative | |
| bacterial endotoxins | < 100 U/mg | |
| clostripain activity | > 0.03 U/mg | - |
| neutral proteases activity | > 0.01 U/mg | - |

Packaging and Storage

- COLLAGENASE MB CR: 100 mg, 500 mg, 1000 mg
- COLLAGENASE MB PU: 10 mg, 50 mg
- Storage: in the dark at temperatures of 2 - 8 °C
- Shelf life: 2 years from the date of manufacture

