

## Heparinase III

Catalogue no:	HEP-ENZ III
Unit of Activity:	1 umol per minute at 25°C using bovine kidney HS as substrate. Activity determined by increase in A232nm.
Specificity:	Depolymerises heparan sulphate by elimination at the uronic acid. Acts next to N-sulphate or N-acetate, in sites with zero or low O-sulphation. However because of the many sequence variations some of these sites are resistant to Hep III (and also Hep II).
Quantity:	0.1, 0.5, 1.0, 2.0 and 5.0 IU 0.5IU vial contains 6.5 microlitres of solution.
Appearance:	Supplied as frozen solution containing 0.2% BSA, 0.22um sterile filtered.
Origin:	<i>Flavobacterium heparinum</i> ATCC 13125
Manufacturing Process and Refs:	Growth of bacterium: <i>McLean, M.W. et al. (1984) Eur. J. Biochem. 145, 607-615.</i> Purification by further chromatography. Final product 0.22-um sterile filtered and stored at -60°C.
Impurities:	Other enzymes nominally 0.1% max. Baseline resolution from the other heparinases.
Toxicity and Hazards:	We are not aware of any toxicity associated with this product. In common with good laboratory practice the material should only be handled by qualified personnel trained in laboratory procedures and familiar with potential hazards. These products are not intended for human consumption, drug use or any form of human experimentation.
Applications:	Biological, biochemical and biophysical laboratory research.
Storage:	Store frozen at -80 degrees Celsius upon receipt. Avoid repeated freeze-thawing. Stock solutions should be prepared in appropriate aliquots and stored frozen at -80°C
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