

Chondroitinase AC-I, from *Flavobacterium heparinum*

Cat. No.	Pack Size	Cat. No.	Pack Size
AMS.CDACI-ENZ-S	5 IU	AMS.CDACI-ENZ BU2	50 IU
		AMS.CDACI-ENZ BU3	100 IU
AMS.CDACI-ENZ BU	20 IU	AMS.CDACI-ENZ BU4	250 IU

Batch: 5

Nature and origin of starting material

Flavobacterium heparinum ATCC 13125

Manufacturing process and references

Growth of bacterium: McLean, M.W. *et al.* (1984) *Eur. J. Biochem.* 145, 607-615. Purification by further chromatography. Final product 0.22-um sterile filtered and stored at -60°C.

Impurities

Free of other lyases, and related enzymes, including 2-O-sulfatase, delta-4,5-glycuronidase, all nominally 0.1% max.

Appearance/form

Supplied as frozen solution containing 0.2% BSA, 0.22um sterile filtered

Specificity

Depolymerises chondroitin sulfates A/C. Chondroitin sulfate B (dermatan) is completely resistant.

Unit of activity

1 umol per minute at 25°C, using assay below

Assay

Against shark cartilage chondroitin sulfate (predominantly Ch C, Sigma C4384). Activity determined by increase in A232nm.

Activity, present batch

361 IU cm⁻³ (25°C)

Applications:

Biological, biochemical and biophysical laboratory research

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.

Not intended for human consumption, drug use or any form of human experimentation.

Storage:

Store frozen at -80°C upon receipt. Avoid repeated freeze/thawing. Stock solutions should be prepared in appropriate aliquots and stored frozen at -80°C

Warranties:

amsbio warrants that its products shall conform to the description of such products as provided in our catalogue. This warranty is exclusive, and seller makes no other warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose. See 'terms and conditions' for further warranty information.

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