

Dissociation Reagents

Hyaluronidase

For hydrolysis of hyaluronic acid



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Catalog # 07461
07462

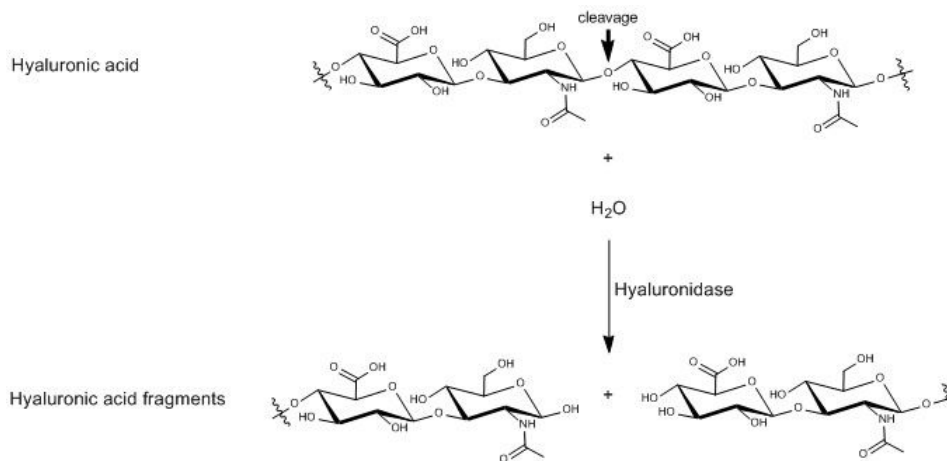
50 ku
300 ku

Product Description

Hyaluronidase is a polysaccharidase consisting of a single polypeptide chain of 450 amino acid residues and contains four disulfide bonds. Hyaluronidase is glycosylated and contains 5% mannose and 2.17% glucosamine (Borders & Raftery). Hyaluronidase cleaves endo-N-acetylhexosaminic bonds in hyaluronic acid and chondroitin sulfate A and C to tetrasaccharide residues, as hyaluronic acid and chondroitin sulfate are often found in connective tissues. Hyaluronidase is frequently used with other proteases such as collagenase.

Product Information

Alternative Names:	Chondroitinase; Hyaluronate 4-glycanohydrolase; Hyaluronoglucosaminidase
Format:	Lyophilized powder
Storage:	Store at -20°C.
Stability:	Stable until expiry date (EXP) on label.
Reconstitution:	Dissociation reagents can be reconstituted in a balanced salt solution or buffer of choice.
Molecular Weight:	55 - 61 kDa
CAS Number:	37326-33-3
Optimum pH:	4.5 - 6.0
Cleavage Site:	Hyaluronidase randomly cleaves the 1,4-linkages between 2-acetamido-2-deoxy-b-D-glucose and D-glucose residues in hyaluronate.



Cleavage site of Hyaluronidase

Specifications

Source:	Bovine testes
Activity:	≥ 300 Kunitz units (ku)/mg dry weight. See Notes for further information.

Related Products

For a complete list of dissociation reagents, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com or contact us at techsupport@stemcell.com.

Notes

ACTIVITY UNITS

1 Kunitz unit (ku) is based on the change in absorbency (turbidity) at 540 nm of an internal standard assayed concurrently with each lot.

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