#### Hyaluronidase

# Dissociation Reagents

For hydrolysis of hyaluronic acid



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Catalog # 07461 50,000 Units

07462 300,000 Units

# **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-acetlyhexosaminic 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: Condroitinase; Hyaluronate 4-glycanohydrolase; Hyaluronoglucosaminidase

Format: Lyophilized powder Storage: Store at -20°C.

Stability: Stable as supplied for 12 months from date of receipt.

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.

Hyaluronic acid H<sub>2</sub>O Hyaluronidase Hyaluronic acid fragments

Cleavage site of Hyaluronidase

### Specifications

Source: Bovine testes

Activity: ≥ 300 units/mg dry weight. See Notes for further information.

## **Dissociation Reagents**

Hyaluronidase



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

### References

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