

HYAL1

Native Bovine Hyaluronidase

Catalog No.	CSI10724	Quantity:	1500 U
	CSI10725		4500 U
	CSI10726		1.5 X 10 ⁴ U

Alternate Names: Hyaluronidase-1, Hyal-1, Hyaluronoglucosaminidase-1

Description: Hyaluronidase is an enzyme that temporarily and reversibly breaks down the polysaccharide, hyaluronic acid, which is found between the cells of connective tissue. Hyaluronic acid may be thought of as the "glue" that holds cells together. Hyaluronic acid is a mucopolysaccharide that exists in the human tissue matrix. It can constrain the diffusion of the extracellular fluid. Hyaluronidase makes the glucoseamine of the hyaluronic acid molecules hydrolyzed and depolymerized, thus decreases the viscosity of the body fluids and increases the flow and diffusion of the intercellular fluids. In this way the phlegm, exudates or blood in local areas can be more easily diffused, and the drug can be more easily absorbed. Thus the local tissue tension and pains can be relieved. And it will also be easier for the edema and inflammatory exudates to be absorbed and dissolved. This product is a basic component of the articular cartilage. It can nourish, protect and maintain the functions of the joints.

UniProt ID: Q5E985

Source: Bovine testis

Formulation: Lyophilized from sterile-filtered PBS containing 2% mannitol.

Activity: 300 IU/mg.

Reconstitution: It is recommended to reconstitute the lyophilized hyaluronidase in sterile-filtered deionized water at 0.1-1.0 mg/ml.

Storage & Stability: Upon receipt, store lyophilized product at -20°C to -80°C for up to 1 year. Upon reconstitution, store at 2-8°C up to 1 week or in working aliquots at -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.