

Sheep Hyaluronidase - Purified

Catalog No.: AR10466PU-N

Quantity: 4.5 kIU

Species: Sheep

Format: **State:** Sterile Filtered White lyophilized (freeze-dried) powder without additives
Reconstitution: Restore in sterile $18\text{M}\Omega\text{-cm}^{-1}$ H_2O not less than $100\ \mu\text{g}/\text{ml}$, which can then be further diluted to other aqueous solutions.

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.

Biological Activity: 1500 IU/mg

Storage: Prior to reconstitution store at $2\text{-}8^\circ\text{C}$ for one month or desiccated below -18°C . Following reconstitution store undiluted at $2\text{-}8^\circ\text{C}$ for one month or (in aliquots) at -20°C for longer. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freezing and thawing. Shelf life: one year from despatch.