
Product Data Sheet

Product Name: HYAL1
Cat. No.: GP22034
Batch No.: 1

Product Data

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|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------|
| Purity | >98% | Source | Bovine Testis. |
| Physical Appearance | solid | Shipping Condition | Shipped at Room temp. |
| Synonyms | Hyaluronidase-1; EC 3.2.1.35; Hyal-1; Hyaluronoglucosaminidase-1; LUCA-1. | | |
| Solubility | It is recommended to reconstitute the lyophilized Hyaluronidase in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions. | | |
| Formulation | The enzyme was lyophilized 1xPBS and 2% sucrose. | | |

Stability

Lyophilized Hyaluronidase although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Hyaluronidase should be stored at 4°C between 2-7 days and for future use below -18°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Background

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 physic liquor, 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

Caution: Product has not been fully validated for medical applications. For research use only.

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can nourish, protect and maintain the functions of the joints.

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