



## Specification Sheet

### Select-HA™ HiLadder

Catalogue No. HYA-HILAD-20

#### Product Description

Select-HA™ is a hyaluronic acid (HA) preparation of uniform and narrow size distribution prepared by *in vitro* synthesis using recombinant *Pasteurella multocida* hyaluronan synthase<sup>1</sup>. The HiLadder contains five Select-HA™ molecular mass markers in the range of ~500 kDa to 1500kDa.

#### Quantity

The tube contains 25 µg (total) of five different Select-HA™ preparations supplied as a mixture of lyophilized sodium salts. The materials are sufficient for at least 20 lanes.

#### Recommended Reconstitution Procedure

Centrifuge the tube for a few seconds to collect the Select-HA™ solids in the bottom of the tube. Carefully open and add 100 µl of sterile water directly to the bottom of the tube. Allow two hours at 4°C for sample rehydration and then mix well before use. Electrophoresis of 5µl of reconstituted sample (Fig. 1) using a standard gel loading buffer on an agarose gel (0.6 – 1%) results in clearly defined bands when stained with 0.005% Stains-all (in 50% ethanol)<sup>2</sup>.

#### Storage

Store at -20°C or below. To avoid frequent freeze-thaw, aliquoting is recommended. Avoid contamination with microbes or HA-degrading enzymes.

#### References

1. DeAngelis, P.L. *et al.* (1998) *J. Biol. Chem.*, **273**, 8454–8458.
2. Lee, H.G. *et al.* (1994) *Analytical Biochem.* **219**, 278-287.

**For research use as molecular mass markers only**

U.S. patent 6,444,447 and 7,223,571

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