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Specification Sheet

Select-HA™ B1000

Catalogue No.: HYA-B1000-200

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 synthase¹. Select-HA™ B1000 is a biotin-labeled narrow-size distribution HA polymer with a specific average weight-average molecular mass (Mw) within the range of 800 kDa to 1200 kDa. (Although there is lot to lot variation, the sizes of a particular lot are generally within $\pm 5\%$). **Please refer to Certificate of Analysis for the specific average Mw of the lot you have received**. Each HA molecule is end-labeled (reducing terminus) with a single biotin.

Quantity

The tube contains 200 pmoles (160 ~ 240 • g) of Select-HA™ B1000 supplied as a lyophilized sodium salt.

Recommended Reconstitution Procedure

Centrifuge the tube for a few seconds to collect the Select-HA™ B1000 solids in the bottom of the tube. Carefully open and add desired amount of water or proper buffer directly to the bottom of the tube. Allow two hours at 4°C for sample rehydration and then mix well before use.

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. Jing, W. and DeAngelis, P.L. (2004) Synchronized Chemoenzymatic Synthesis of Monodisperse Hyaluronan Polymers. *J. Biol. Chem.* **279(40)**, 42345-42349.

For research use only
U.S. patent 6,444,447 and patents pending