

# Specification Sheet

## Select-HA™ B50

Catalogue No.: HYA-B50-200

### 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 synthase<sup>1</sup>. Select-HA™ B50 is a biotin-labeled narrow-size distribution HA polymer with a specific average weight-average molecular mass (Mw) within the range of 25 kDa to 75 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 (5 ~ 15  $\mu\text{g}$ ) of Select-HA™ B50 supplied as a lyophilized sodium salt.

### Recommended Reconstitution Procedure

Carefully open and add desired amount of water or proper buffer. Mix well to dissolve any dry product at the bottom or on the sides of the tube. For sample rehydration, allow two hours at 4°C with periodic mixing. After rehydration, centrifuge the tube for a few seconds to collect the HA solution at the bottom of the tube.

### 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 7,223,571



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