

Echelon Biosciences Inc.

nanoHA™



Product Name	Catalog Number
nanoHA-5	HYA-NAN05-1

Support: echelon@echelon-inc.com

Description:

nanoHA™ is a hyaluronic acid (HA) oligomer prepared by chemoenzymatic synthesis with immobilized enzyme reactors¹. The reducing end contains N-acetylglucosamine. nanoHA™ is a trademark of Hyalose LLC.

Properties:

Size – 1 mg. Determined by Carbozole Assay based on free acid form.

Form – lyophilized as ammonium and/or sodium salts

Storage – -20 °C or below. Avoid frequent freeze-thaw, aliquoting is recommended. Avoid contamination with microbes or HA-degrading enzymes.

Reconstitution – Centrifuge vial for a few seconds to collect the nanoHA™ solids in the bottom of the vial. Carefully open vial and add desired amount of water or desired buffer directly to the bottom of the vial.

Mix well before use.

Appearance – white crystalline to clear glassy solids

Purity – may contain trace amounts of other nanoHA or oligoHA sizes

Endotoxin Level – < 1 EU/mg

*Please see Certificate of Analysis for lot specific information

Background:

Hyaluronic acid (HA) is a high molecular weight anionic polysaccharide (1,000-10,000 kD) composed of repeating disaccharides and is one of several glycosaminoglycan components of the extracellular matrix of connective tissue. Free HA is taken up by the liver where it is degraded and recycled. Data indicates a relationship between HA levels, local inflammation and severity of many disease such as hepatitis B or C, rheumatoid arthritis, liver fibrosis, etc.

References:

1. DeAngelis, P. L.; Oatman, L. C.; Gay, D. F. (2003) Rapid chemoenzymatic synthesis of monodisperse hyaluronan oligosaccharides with immobilized enzyme reactors. *J Biol Chem*, 278 (37), 35199-203.

Related Products:

Product	Catalog Number
Compounds	
BODIPY-HA	H-025F, H-250F, H-700F
Texas Red-HA	H-025R, H-250R, H-700R
Select-HA™	HYA-50KEF-1, HYA-500KEF-1, HYA-601KEF-1, HYA-1000KEF-1
Biotinylated Select-HA™	HYA-B50-200, HYA-B250-200, HYA-B500-200, HYA-B1000-200
Select-HA Ladder™	HYA-HILAD-20, HYA-LOLAD-20
HAase Inhibitor	B-0601
HA Binding Proteins	
Versican G1 Domain	G-HA01, G-HA02
Assays	
HA Quantification ELISAs	K-1200, K-4800
Hyaluronidase Activity ELISA	K-6000

Technical Data Sheet Rev. 1, 01-14-19 - For research use only. Not intended or approved for diagnostic or therapeutic use.



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