# Fluoresceinamine -labeled Sodium Heparin (N1)

Product code: CSR-FAHep-N1
Volume: 3 mL (1 mg/mL, in phosphate buffered saline (PBS) (-))
Appearance: yellow green solution
Source of sodium heparin: Porcine intestine
CAS number of sodium heparin: 9041-08-1
Fluorescent probe: Fluoresceinamine
CAS number of fluorescent probe: 3326-34-9

Outline: Heparin (Hep) is a sulfated glycosaminoglycan composed of repeating disaccharide units of D-iduronic acid (IdoUA) or D-glucuronic acid (GlcUA) and N-acetyl-D-glucosamine or N-sulfo-glucosamine. Hep is abundant in mast cells of intestine or lung exists as unbranched polysaccharide chains. This product is prepared by the fluorescent labeling of Hep derived from porcine instestine according to the method of Ogamo et al.[1]. Fluoresceinamine molecules are chemically attached to carboxyl groups of the GlcUA or IdoUA of Hep. This solution is dissolved in PBS (-) and sterilized by filtration. The endotoxin content is in accordance with the product specifications. The excitation wavelength is 490~500 nm and the emission wavelength is 515~525 nm. The enclosed Certification of Analysis lists actual values for product specifications.

Handling precautions:
1) Protect from light as much as possible. Product can be used at room temperature when protected from strong light.
2) After thawing, gently agitate the vial before use.
3) Store protected from light at -20°C or below. We recommend storing in aliquots appropriate for anticipated usage.
4) Fluorescence intensity varies with pH of the solution and is lower under acidic conditions. Note the pH of the sample solution when measuring fluorescence intensity.
5) This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Reference:
1）Ogamo A et al.: Carbohydr. Res., **105**, 69 (1982)

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