



Fluoresceinamine -labeled Sodium Heparan sulfate (P1)

Product code: CSR-FAHS-P1

Volume: 1 mL (1 mg/mL, in phosphate buffered saline (PBS) (-))

Appearance: yellow green solution

Source of sodium heparan sulfate: Porcine kidney

Fluorescent probe: Fluoresceinamine

CAS number of fluorescent probe: 3326-34-9


Outline: Heparan sulfate (HS) 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. HS is abundant in basement membrane of kidney and blood vessel exists as unbranched polysaccharide chains. This product is prepared by the fluorescent labeling of HS derived from porcine kidney according to the method of Ogamo et al.¹⁾. Fluoresceinamine molecules are chemically attached to carboxyl groups of the GlcUA or IdoUA of HS. This solution is dissolved in PBS (-) and sterilized by filtration. 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)

Manufactured by 
Research



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp> e-mail: export@cosmobio.co.jp

Phone : +81-3-5632-9617 FAX : +81-3-5632-9618