COSMO BIO CO., LTD.
Inspiration for Life Science

Fluoresceinamine -labeled Sodium Hyaluronate (H1)

(The average molecular weight: 1200x10^3~1600x10^3 Da)

Product code: CSR-FAHA-H1
Volume: 3 mL (1 mg/mL, in phosphate buffered saline (PBS) (-))
Appearance: yellow green solution
Source of sodium hyaluronate: Streptococcus sp.
CAS number of sodium hyaluronate: 9067-32-7
Fluorescent probe: Fluoresceinamine
CAS number of fluorescent probe: 3326-34-9

Outline: Hyaluronan (HA) is a glycosaminoglycan composed of repeating disaccharide units of N-acetyl-D-glucosamine (GlcNAc) and D-glucuronic acid (GlcUA). HA is abundant in synovial fluid, skin, umbilical cord, and vitreous body exists as unbranched polysaccharide chains. This product is prepared by the fluorescent labeling of HA according to the method of Ogamo et al.[1]. Fluoresceinamine molecules are chemically attached to carboxyl groups of the GlcUA of HA. 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. Light exposure degrades HA to low molecular form. 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 PG Research

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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