



Sodium Chondroitin Sulfate E (2-5K) (Squid Cartilage)

(The average molecular weight: $2 \times 10^3 - 5 \times 10^3$)

Product Code (Outside Japan): CSR-NaCS-E2(SqC_2-5K)3

Product Code (Japan): NaCS-E2(SqC_2-5K)3

Labeled Content: 3 mg/vial

Appearance: white amorphous block or powder (lyophilizate)

Source of Sodium Chondroitin Sulfate E: Squid Cartilage

Overview: Chondroitin sulfate (CS) is a sulfated glycosaminoglycan composed of repeating disaccharide units of N-acetyl-D-galactosamine (GalNAc) and D-glucuronic acid (GlcUA). CS is abundant in cartilage, where it exists as unbranched polysaccharide chains covalently linked to the core proteins of proteoglycans.

The Sodium Chondroitin Sulfate E (NaCS-E) in this product is purified from squid cartilage and contains at least 50% E-type structural disaccharide units (4 and 6-O-sulfations of GalNAc).

Each vial contains 3 mg of lyophilized NaCS-E. The average molecular weight is $2 \times 10^3 - 5 \times 10^3$. The attached Certificate of Analysis provides the actual measured values for each product specification including the disaccharide unit composition and the average molecular weight.

Handling precautions:

- 1) The interior of the vial is depressurized. Please take care when opening the vial.
- 2) This product is hygroscopic. Store at 8°C or below, protected from moisture.
- 3) After reconstitution, store the solution at -20 °C or below. Preparing aliquots suitable for anticipated use is recommended.
- 4) This product is for research use only. It is not intended for use in diagnostic or therapeutic procedures.

NOTICE: For R&D use only. Do not use for drug, household, cosmetically and others.

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