Sodium Alginate Particles
PRODUCT DATA SHEET

Sodium Alginate Particles

Description

Sodium Alginate Particles are micron sized three-dimensional reticulated gel particles prepared by calcium ion mediated ion cross-linking technology with sodium alginate, a polysaccharide from natural brown algae, as the core matrix. As a naturally occurring biomaterial, Sodium Alginate Particles exhibit excellent biocompatibility and controllable degradation characteristics. Its degradation products, mannose and gulose monomers, can be safely excreted from the body through biological metabolic pathways. In the field of biomedicine, this material achieves intelligent controlled release of drugs through pH responsive swelling characteristics. When Sodium Alginate Particles enter different acid-base environments, their network structure can undergo specific swelling or contraction, thereby achieving targeted drug delivery to the lesion site. This material can also be used as a tissue engineering scaffold, inducing cell proliferation and differentiation, and demonstrating significant therapeutic effects in joint cartilage regeneration and repair. In addition, Sodium Alginate Particles can be functionalized to further expand their applications in targeted delivery, immune detection, or cell immobilization carriers.

Abvigen Inc can provide high-quality Sodium Alginate Particles of various particle sizes. This product has uniform particle size and good biocompatibility, which can meet the personalized material needs of various customers in research and development, testing, production, and consumption.

For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com Phone: +1 929-202-3014 Email: info@abvigenus.com

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Email: info@abvigenus.com
Tel: 1-816-388- 0112 Fax: 1- 888-616-0161

Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Surface: Plain

Shape: Spherical

Composition: Sodium Alginate Particles

Standard deviation: CV<5%

Buffer: DI Water

Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE**.

Advantage

Uniform particle size

Surface modifiable

Good biological affinity

Biodegradable

Good adsorption properties

Applications

Drug carrier

Tissue engineering scaffold

Water retaining agent

Heavy metal adsorption

Enzyme immobilization

Ordering Information

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