

Sulfate cellulose resin

Cat. No. Sulfate-001C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Sulfate Cellulose resin is an affinity chromatography media designed for the concentration, purification and depyrogenation of virus, viral coat and microbial antigens and specific proteins. This media is based on spherical cellulose beads functionalized with a low concentration of sulfate esters.
Cat.no	Sulfate-001C
Characteristics	1. Affinity for a wide range of live, killed or disrupted viruses, viral or microbial antigens and heparin-binding proteins 2. Closed column operation assures safety and product sterility 3. Endotoxins do not bind, allowing a rapid and contaminant free depyrogenation 4. Rigid, high-strength beads 5. Autoclavable
Form	Suspension in 20 % Ethanol
Matrix	Cellulose
Functional group	Sulfate Ester
Average particle size	40 – 130 µm
Dynamic binding capacity	>3 mg/ml Lysozyme; 7 mg/ml Hepatitis B Surface Antigen
Recommended flow rate	50 – 250 cm/h

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Chemical stability	pH 3–12, when operated at temperatures between 2 – 30°C. Autoclavable in suspension at neutral pH for 30 minutes at 121°C.
Physical stability	pH 3–12, when operated at temperatures between 2 – 30°C. Autoclavable in suspension at neutral pH for 30 minutes at 121°C.
Shelf life	5 years from date of manufacture

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