

Phosphate Cellulose resin

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

SPECIFICATION

Product Overview	Phosphate Cellulose resin is an affinity media designed for concentration, purification of proteins and, enzymes such as nucleic acid related proteins. Base of media is spherical and rigid cellulose functionalized with Phosphate esters.
Characteristics	This media is based on spherical cellulose beads functionalized with a phosphate ester. Compared with the conventional product, Phosphate Cellulose has resistance to pressure and use in a large-sized column with high flow rate is also possible. This is because it is a spherical particle, but conventional product is a fiber.
Form	suspension in 20 % EtOH
Size	10 mL, 50 mL, 500 mL
Matrix	cellulose
Ligand	Phosphate ester
Ligand concentration	2 – 4 meq/g-Dry
Dynamic binding capacity	≥ 20 mg/mL Lysozyme
Recommended flow rate	50 – 250 cm/h
Chemical stability	pH 3 – 12, when operated at temperatures between 2 – 30°C. Autoclavable in

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	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.
pH working range	5-12
pH CIP range	5-12
Shelf life	5 years from date of manufacture

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