

SP Dextran Resin

Cat. No. sulphopropyl-001D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SP Dextran Resin is a weak cation exchanger based on the well documented and well proven Dextran base matrix. The resin is produced by introducing SP functional groups onto the cross-linked dextran matrix.
Cat.no	sulphopropyl-001D
Matrix	Cross-linked dextran
Ion exchange capacity	2–2.6 mmol/g dry powder
Functional group	sulphopropyl group: $\text{--O--CH}_2\text{CHOHCH}_2\text{OCH}_2\text{CH}_2\text{CH}_2\text{SO}_3$
Protein	sulphopropyl
Average particle size	40-120 μm
Ligand	Sulphopropyl
Dynamic binding capacity	IgG (Mr 160 000): 1.1 mg/ml drained medium; Bovine COHb (Mr 69 000): 70 mg/ml drained medium; Ribonuclease (Mr 13 700): 230 mg/ml drained medium
Viscosity	Store swollen medium in the presence of a suitable bacteriostat, e.g. 20% ethanol or 0.01 M NaOH at 4–8°C. Sodium azide or thiomersal should not be used as bacteriostat.

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Chemical stability	Stable to all commonly used aqueous buffers and additives such as 8 M urea and 6 M guanidine hydrochloride.
Physical stability	Negligible volume variation due to changes in pH or ionic strength.
pH working range	4-13
pH CIP range	2-12
Autoclavable	In 0.1 M sodium chloride at 121 °C for 30 min
Shelf life	8 years
Warning	Avoid Oxidising agents and dextranase

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