DiagAg™ SP Dextran Agarose Particles, 50-150 μm

Cat.No: DAG-24PA26-H

DESCRIPTION

Description	This ion-exchange chromatography media is particularly suitable for large-scale purification of biological molecules from viscous and/or crude culture broths or for high speed flow-through polishing applications in which impure components are chromatographically adsorbed from the main product stream. These particles have a balanced design among ligand density, loading capacity and separation power of individual components for large-scale biomanufacturing applications. They are made of 6% cross-linked agarose grafted with dextran for increased binding capacity and faster binding kinetics. They are very stable to most of the chemical conditions experienced in the bioprocessing industry.

PRODUCT INFORMATION

Diameter	50-150 μm
Functional Group	Sulfopropyl
Concentration	50% v/v
Ion Exchanger Type	Strong cation exchanger
Capacity	0.09-0.15 mmol/mL
Matrix	6% cross-linked agarose grafted with dextran
pH Range	2-14 (short term), 4-12 (long term)
Dynamic Binding Capacity	>130 mg lysozyme/mL
Maximum Operating Pressure	300 kPa

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Maximum Linear Velocity	>500 cm/h
Working Temperature	4-30°C

STORAGE AND SHIPPING

Stability	All commonly used buffers; 1 M acetic acid, 1 M NaOH, 6 M guanidine hydrochloride, 8 M urea, 30% isopropanol, 70% ethanol
Storage	2-8°C. Do not freeze.

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