

DiagAg™ SP Dextran Agarose Particles, 20-50 µm

Cat.No: DAG-24PA34-H

DESCRIPTION

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These particles are particularly useful, due to the high resolution with high loading capacity, in a process that requires the purification of difficult molecules at high throughput and cost-efficiency. They have a balanced design to offer high-resolution power and also high loading capacity to separate similar components in bioprocessing applications. The core advantages include: high sample loading capacity at high flow; high resolution at high-loading. The base matrix is made of highly cross-linked agarose and dextran for high binding capacity and binding kinetics. It is very stable for most of the chemical conditions experienced in the bioprocessing industry.

PRODUCT INFORMATION

Diameter	20-50 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

Maximum Linear Velocity 30-150 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
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Storage	2-8°C. Do not freeze.
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