

Q polystyrene-divinylbenzene(PS/DVB) resin

Cat. No. quaternary amine-010P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Q polystyrene-divinylbenzene(PS/DVB) resin is an ion exchange packing. The highly cross-linked porous polystyrene/divinylbenzene (PS/DVB) monodisperse microspheres are used as the matrix to ensure good rigidity and polar back pressure, reducing the cost of equipment. The unique bonding technology bonds a hydrophilic layer with extremely high chemical stability on the surface of the microspheres, which eliminates the non-specific adsorption of biomolecules by the matrix, and ensures its good separation efficiency and biological sample recovery rate. Coupled with good surface functionalization technology, the product has great Chemical and physical stability of chromatography media with other matrix types.
Chromatography technique	Ion Exchange Chromatography
Form	slurry in 20 % (v/v) ethanol
Size	100 mL, 250 mL, 1 L, 5 L, 50 L
Matrix	polystyrene-divinylbenzene(PS/DVB)
Ion exchange capacity	0.13 mmol/mL
Functional group	quaternary amine group: $-O-CH_2CHOHCH_2OCH_2CHOHCH_2N^+(CH_3)_3$
Protein	quaternary amine

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Average particle size	30±3 µm
Pressure/Flow Specification	3 bar
Dynamic binding capacity	>45 mg/mL BSA
Recommended flow rate	300-1000cm/h
Viscosity	The unused chromatography medium should be sealed and stored in 20% ethanol solution at room temperature; the used chromatography medium should be regenerated and cleaned and then sealed and stored in 20% ethanol solution at room temperature.
pH CIP range	1 or 14
CIP stability	2-12

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