

Phenyl polystyrene resin

Cat. No. Phenyl-001P **Lot. No.** (See product label)

SPECIFICATION

Product Overview Creative Biomart provides series of hydrophobic reaction chromatography media for high efficient separation and purification of a wide range of biomolecules such as proteins, oligonucleotides, and nucleic acids. The hydrophobic reaction resins are composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads.

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Characteristics The Phenyl polystyrene resin is composed of rigid, spherical, highly cross-linked polystyrene/divinylbenzene or polyacrylic beads which contains phenyl functional group. See the characteristics below: spherical structure, optimized pore structure, high chemical and pH stability, high mechanical stability, large scale manufacturing capability, proprietary surface bonding.

Functional group Phenyl group

Average particle size 30 μm

Dynamic binding capacity 20-45 mg/mL gel

Recommended flow rate 50-300 cm/h

Chemical stability Good chemical stability allows the use of the prepacked columns with most commonly

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used buffers and organic solvents, like for example 0.5 M NaOH, 50% ethanol, 20% isopropanol, 6 M GuHCl and 8 M urea.

Physical stability Negligible volume variation due to changes in pH or ionic strength

pH working range 2-13

pH CIP range 1-14

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