Boronate Affinity Resin, Highly-crosslinked Agarose

Cat. No. Boronate-2A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Boronate Affinity Resin, Highly-crosslinked Agarose is an affinity chromatography medium formed by coupling 3-aminobenzenoboric acid with specific spacer arms designed on the surface of a new generation of highly rigid agarose gel microsphere skeleton. Phenylborate ligands can form borates with 1, 2-cis-diol through reversible covalent bonding under weakly basic conditions, and can specifically bind substances containing 1, 2-cis-diol structure, including glycoproteins (including antibodies), enzymes, polysaccharides, nucleosides, nucleotides and catechols. NADP+ or ATP can also be used to assist the separation and purification of target molecules that cannot be directly bound to the filler.
Bead diameter	30~100 μm
Matrix	High rigidity agarose gel
Ligand	3-aminophenylboric acid, ~20 μmol/mL
Binding capacity	~10 mg IgG/mL
Maximum linear velocity	>1500 cm/h, 0.5 MPa
Average grain diameter	~60 μm
Recommended operating velocity	150 cm/h

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pH	3~10 (operation process), 2~13 (CIP process)
Storage	20% ethanol, 2~8°C (storage), 2~30°C(transportation)

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