

Boronate PMMA Affinity Resin

Cat. No. Boronate-1P **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Boronate PMMA Affinity Resin is based on a homogeneous hydrophilic monodisperse polymethacrylate. 3-aminophenylboric acid is surface bonded with fillers for the purification or analysis of compounds with cis-diol groups, such as glycoproteins, nucleic acids and sugars. The particle size of the filler is 60 μm , good pressure resistance, good physical and chemical stability, and the surface of the filler is highly hydrophilic, avoiding non-specific adsorption with biological samples. The dextran exclusion limit of fillers is about 2×10^6 , and the exclusion limit of spherical proteins is about 5×10^6 , which can be used for industrial purification.

Bead diameter 60 μm

Matrix Homogeneous hydrophilic polymethacrylate

Binding capacity 10-30 μmol sorbitol/mL filler

Maximum linear velocity 1800 cm/h

Operating temperature $\leq 40^\circ\text{C}$

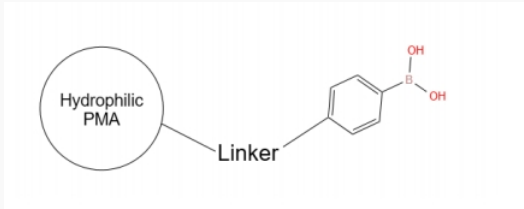
pH 2-12

Operating pressure $\leq 1 \text{ Mpa}$ (10 bar)

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Storage Buffer	50% (v/v), stored in 20% ethanol or 2% benzyl alcohol, 2-8°C
Mobile phase compatibility	1. Capacity with aqueous solution, water and acetonitrile, acetone or methanol mixture. Typical buffer solution: phosphate, acetate and HEPES, MES, buffer salt system without primary amine. 2. The use of buffers with pH < 6.5 or reagents containing cis-diol may affect adsorption.
Storage	2-8°C
Reconstitution	2.0-3.0 M NaCl
Structure	
Action principle	