

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 2x10⁶, and the exclusion limit of spherical proteins is about 5x10⁶, 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 ≤40°C

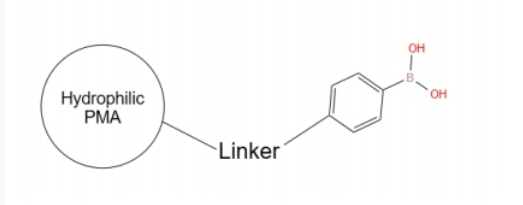
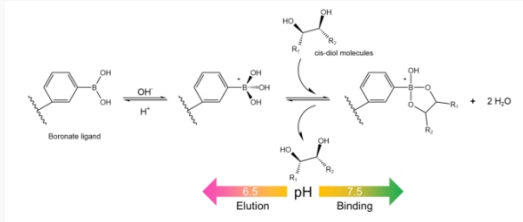
pH 2-12

Operating pressure ≤1 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	<ol style="list-style-type: none"> 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. 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	

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