



CERTIFICATE OF ANALYSIS

Product **Mannose Agarose**

Catalog No. AC-1004

Amount 10 ml of settled gel

Lot No. ZC0907

Matrix: Cross-linked, 4%, 90 μ -120 μ diameter agarose beads

Linkage: Randomly coupled through a proprietary 5-atom hydrophilic linker arm

Suspension Solution HBS, pH 7.5, 0.08% sodium azide

Binding Capacity Binds 5-6 mg Concanavalin A lectin per ml of gel

Storage Conditions Refrigerate - DO NOT FREEZE

Typical Protocol for Binding and Elution

- 1) Wash with two column volumes of HBS, or TBS, pH 7.5 to remove sodium azide.
- 2) Pass the solution to be fractionated over the column. (Note: if binding is poor at room temperature, equilibrate column and extract at 4 °C prior to the column pass.)
- 3) Wash the column with the equilibrating buffer at the temperature at which the pass was made until the OD_{280nm} absorbance of the wash decreases to background.
- 4) Elute the bound protein with 200-500mM D-mannose in HBS, or TBS pH 7.5.

HBS: 10mM HEPES, 0.15M NaCl, pH 7.5

TBS: 10mM TRIS, 0.15 NaCl, pH 7.5