

TECHNICAL INFORMATION

Catalog Number: 150710, 194069, 195283

Concanavalin A

CAS # 11028-71-0

Physical Appearance: White to off white powder

Description: Pure *Canavalia ensiformis* lectin (Con A) from Jackbean. Isolated by affinity chromatography on cross-linked dextran. Con A exists as a dimer below pH 5.0 and a tetramer in alkaline pH.

Reconstitution: Reconstitute with buffer to a final concentration of 1 mg/ml

Carbohydrate Specificity: α -Mannose, α -Glucose, Branched Mannose.

Inhibitory Carbohydrate: Methyl- α -D-Mannopyranoside \gg α -D-Mannose \gg α -D-Glucose.

Activity: Con A is a relatively weak blood agglutinin. More than 10 μ g/ml may be required to give visible agglutination of neuraminidase treated human erythrocytes.

Buffer: 0.05 M Tris, 0.15 M NaCl, 0.004 M CaCl₂, pH 7.0.

Storage: Store lyophilized powder frozen at -0°C or below, desiccated. After reconstitution the material is stable for at least 1 year when stored frozen in aliquots at -20°C with 0.1% sodium azide as a preservative.

Solubility: Soluble in water (10 mg/ ml-slightly hazy, colorless solution)

Availability:

Catalog number	Description	Size
150710	Con A supplied lyophilized, essentially salt-free and carbohydrate free	100 mg 250 mg 500 mg 1 gm 5 gm
195283	Con A, Highly purified, essentially salt free	50 mg 250 mg 1 gm
194069	Con A, supplied as a lyophilized powder of 15% protein and the balance primarily NaCl	25 mg 100 mg 500 mg 1 gm

References:

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