

## 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 >> α-D-Mannose >> α-D-Glucose.

**Activity:** Con A is a relatively weak blood agglutinin. More than 10 ug/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 CaCl<sub>2</sub>, 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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