Con A Agarose

Cat. No. Con A-001A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Con A agarose is an affinity medium with concanavalin A (Con A) coupled to agarose 4B by the cyanogen bron method, which is a?chromatography?medium?for?separation?and?purification?of?glycoproteins,?polysaccharides,?and?glycolip
Cat.no	Con A-001A
Characteristics	ConA binds specifically α-D-mannosyl and α-D-glucosyl residues in terminal position of ramified structures from Glycans. It has 4 binding sites, corresponding to the 4 sub-units. The molecular weight is 104-112KDa and the isoelectric point (pI) is in the range of 4.5-5.5. The binding sugar requires the presence of C-3, C-4 and C-5 hydroxyl groups for reaction with Con A. Con A coupled to agarose is routinely used for separation and purifica of glycoproteins, polysaccharides and glycolipids.
Size	5 mL, 100 mL
Matrix	4% agarose
Functional group	Con A
Average particle size	90μm
Ligand	Con A
Ligand concentration	10?to?15?mg?Con?A/ml?medium

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Dynamic binding capacity	20-45?mg?porcine?thyroglobulin/ml?medium
Recommended flow rate	75 cm/h
Recommended column height	5-20cm
Chemical stability	Stable?in?all?commonly?used?aqueous?buffers.?Chelating?agents?such?as?EDTA,?8?M?urea,?or?solutions?having?pH?below?3?should?be?avoided?as?these?conditions?result?in?removal?of?manganese?from?the?lectin?with?loss?of?activity as a result.
pH working range	4-9
Warning	Avoid using Chelating agents such as EDTA, 8 M urea or solutions having a pH below 3 should be avoided as these conditions results in removal of manganese from the lectin with loss of activity as a result.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA