

Macro-Prep® Chromatography Resins Publications List



Process Separations

Bulletin 6868



Macro-Prep High Q Anion Exchange

Mukhammadiev RS and Bagaeva TV (2015).

Isolation and structural characterization of *Rhizoctonia solani* fungal lectin.
Res J Pharm Biol Chem Sci 6, 1,756–1,763.



Bankston TE and Carta G (2010).

Apolipoprotein A-I(Milano) anion exchange chromatography: mass transfer and adsorption kinetics.
Biotechnol J 5, 1,040–1,049.



Liu B-X et al. (2008).

Purification and characterization of a leucine aminopeptidase from the skeletal muscle of common carp (*Cyprinus carpio*).
Food Chem 108, 140–147.



Abrunhosa L and Venâncio A (2007).

Isolation and purification of an enzyme hydrolyzing ochratoxin A from *Aspergillus niger*.
Biotechnol Lett 29, 1,909–1,914.



Thyer J el al. (2006).

Prion-removal capacity of chromatographic and ethanol precipitation steps used in the production of albumin and immunoglobulins.
Vox Sang 91, 292–300.



Song L (2006).

A soluble form of phosphatase in *Saccharomyces cerevisiae* capable of converting farnesyl diphosphate into E,E-farnesol.
Appl Biochem Biotechnol 128, 149–158.



Eon-Duval A and Burke G (2004).

Purification of pharmaceutical-grade plasmid DNA by anion-exchange chromatography in an RNase-free process.
J Chromatogr B Analyt Technol Biomed Life Sci 804, 327–335.



Song L (2003).

Detection of farnesyl diphosphate accumulation in yeast ERG9 mutants.
Anal Biochem 317, 180–185.



Macro-Prep High Q Anion Exchange (continued)

Wilson MJ et al. (2001).

Removal of tightly bound endotoxin from biological products.
J Biotechnol 88, 67–75.



Macro-Prep DEAE Anion Exchange

Liang TW et al. (2015).

Squid pen chitin chitoooligomers as food colorants absorbers.
Mar Drugs 13, 681–696.



Liang TW et al. (2015).

Chitinolytic bacteria-assisted conversion of squid pen and its effect on dyes and pigments adsorption.
Mar Drugs 13, 4,576–4,593.



Thinh PD et al. (2013).

Structural characteristics and anticancer activity of fucoidan from the brown alga *Sargassum mcclurei*.
Mar Drugs 11, 1,456–1,476.



Chanitnun K and Pinphanichakarn P (2012).

Glucose(xylose) isomerase production by *Streptomyces* sp. CH7 grown on agricultural residues.
Braz J Microbiol 43, 1,084–1,093.



Ermakova S et al. (2011).

Fucoidans from brown seaweeds *Sargassum horneyi*, *Ectonia cava*, *Costaria costata*: structural characteristics and anticancer activity.
Appl Biochem Biotechnol 164, 841–850.



Sokolova RV et al. (2011).

Composition, structural characteristics, and antitumor properties of polysaccharides from the brown algae *Dictyopteris polypodioides* and *Sargassum* sp.
Chemistry of Natural Compounds 47, 329.



Wang et al. (2009).

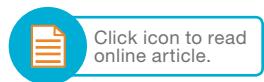
Conversion and degradation of shellfish wastes by *Bacillus cereus* TKU018 fermentation for the production of chitosanases and bioactive materials.
Biochem Eng J 48, 111–117.



Chungool W et al. (2008).

Production, purification, and characterization of acetyl esterase from *Streptomyces* sp. PC22 and its action in cooperation with xylanolytic enzymes on xylan degradation.
World J Microbiol Biotechnol 24, 549–556.





Macro-Prep DEAE Anion Exchange (continued)

Kim HJ et al. (2008).

Membrane tetraheme cytochrome c(m552) of the ammonia-oxidizing *Nitrosomonas europaea*: a ubiquinone reductase.
Biochemistry 47, 6,539–6,551.



De Caro J et al. (2004).

Characterization of pancreatic lipase-related protein 2 isolated from human pancreatic juice.
Biochim Biophys Acta 1701, 89–99.



Malmsten A et al. (2003).

HIV-1 viral load determination based on reverse transcriptase activity recovered from human plasma.
J Med Virol 71, 347–359.



Macro-Prep High S Cation Exchange

Leone S and Picone D (2016).

Molecular dynamics driven design of pH-stabilized mutants of MNEI, a sweet protein.
PLoS One 11, e0158372.



Rodríguez-López A et al. (2016).

Recombinant human N-acetylgalactosamine-6-sulfate sulfatase (GALNS) produced in the methylotrophic yeast *Pichia pastoris*.
Sci Rep 6, 29329.



Leone S et al. (2015).

Acetate: friend or foe? Efficient production of a sweet protein in *Escherichia coli* BL21 using acetate as a carbon source.
Microb Cell Fact 14, 106.



Wang Y-J et al. (2015).

Purification and enzymatic characterization of *E. coli* BL21 (DE3)/pET28a(+)-cr carbonyl reductase.
Gao Xiao Hua Xue Gong Cheng Xue Bao/Journal of Chemical Engineering of Chinese Universities 29, 607–615.



Davydov DR et al. (2013).

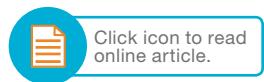
CYP261 enzymes from deep sea bacteria: a clue to conformational heterogeneity in cytochromes P450.
Biotechnol Appl Biochem 60, 30–40.



Wang X et al. (2013).

Preparation of the Mgm101 recombination protein by MBP-based tagging strategy.
J Vis Exp 76, e50448.





Macro-Prep High S Cation Exchange (continued)

Golan-Mashiach M et al. (2012).

Identification of CTCF as a master regulator of the clustered protocadherin genes.
Nucleic Acids Res 40, 3,378–3,391.



Lillehoj EP et al. (2012).

NEU1 sialidase expressed in human airway epithelia regulates epidermal growth factor receptor (EGFR) and MUC1 protein signaling.
J Biol Chem 287, 8,214–8,231.



Park S and Lippard SJ (2012).

Binding interaction of HMGB4 with cisplatin-modified DNA.
Biochemistry 51, 6,728–6,737.



Han L et al. (2008).

A large form of secretogranin III functions as a sorting receptor for chromogranin A aggregates in PC12 cells.
Mol Endocrinol 22, 1,935–1,949.



Tsalkova TN et al. (2007).

Mechanism of interactions of alpha-naphthoflavone with cytochrome P450 3A4 explored with an engineered enzyme bearing a fluorescent probe.
Biochemistry 46, 106–119.



Macro-Prep Hydrophobic Interaction Chromatography (HIC)

Heger Z et al. (2015).

Paramagnetic nanoparticles as a platform for FRET-based sarcosine picomolar detection.
Sci Rep 5, 8868.



Ribble W et al. (2015).

Long-range PCR amplification of DNA by DNA polymerase III holoenzyme from *Thermus thermophilus*.
Enzyme Res 2015, 837842.



Wang Y-J et al. (2015).

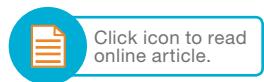
Purification and enzymatic characterization of *E. coli* BL21 (DE3)/pET28a(+)-cr carbonyl reductase.
Gao Xiao Hua Xue Gong Cheng Xue Bao/Journal of Chemical Engineering of Chinese Universities 29, 607–615.



Goto Y et al. (2011).

KSAC, the first defined polyprotein vaccine candidate for visceral leishmaniasis.
Clin Vaccine Immunol 18, 1,118–1,124.





Macro-Prep Hydrophobic Interaction Chromatography (HIC) (continued)

Michlmayr H et al. (2010).

Isolation and basic characterization of a beta-glucosidase from a strain of *Lactobacillus brevis* isolated from a malolactic starter culture.

J Appl Microbiol 108, 550–559.



Perumal SK et al. (2010).

Analysis of the DNA translocation and unwinding activities of T4 phage helicases.
Methods 51, 277–288.



Phogat S et al. (2008).

Analysis of the human immunodeficiency virus type 1 gp41 membrane proximal external region arrayed on hepatitis B surface antigen particles.
Virology 373, 72–84.



Soni B et al. (2008).

A novel method of single step hydrophobic interaction chromatography for the purification of phycocyanin from *Phormidium fragile* and its characterization for antioxidant property.
Bioresour Technol 99, 188–194.



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