

Journal of Chromatography B, 743 (2000) 447-449

JOURNAL OF CHROMATOGRAPHY B

www.elsevier.com/locate/chromb

Compound Index Vol. 742

Acetohydroxy acid synthase

Determination of the dissociation constant of valine from acetohydroxy acid synthase by equilibrium partition in an aqueous two-phase system 743(2000)225

Purification of acetohydroxy acid synthase by separation in an aqueous two-phase system 743(2000)281

Adenoviruses

Recovery in aqueous two-phase systems of nanoparticulates applied as surrogate mimics for viral gene therapy vectors 743(2000)409

Affinity partitioning

Affinity partitioning of a poly(histidine)-tagged integral membrane protein, cytochrome bo_3 ubiquinol oxidase, in a detergent–polymer aqueous two-phase system containing metal-chelating polymer 743(2000)307

Alcohol

Conformational transition and mass transfer in extraction of proteins by AOT-alcohol-isooctane reverse micellar systems 743(2000)203

Alkaline xylanase

Extraction in aqueous two-phase systems of alkaline xylanase produced by *Bacillus pumilus* and its application in kraft pulp bleaching 743(2000)349

Amino acids

Partitioning behavior of amino acids in aqueous two-phase systems with recyclable volatile salts 743(2000)317

Aroma compounds

Aroma compounds recovery from mycelial cultures in aqueous two-phase processes 743(2000)403

Azo dves

Naphthol- and resorcinol-based azo dyes as metal ion complexants in aqueous biphasic systems 743(2000)107

Bioligands, free

Bioaffinity extraction of glucoamylase in aqueous two-phase systems using starch as free bioligand 743(2000)241

Biotir

Affinity partitioning of biotinylated mixed liposomes: effect of charge on biotin–NeutrAvidin interaction 743(2000)389

Bovine serum albumin

Partitioning of whey proteins, bovine serum albumin and porcine insulin in aqueous two-phase systems 743(2000)235

Bovine serum albumin partitioning in an aqueous two-phase system: Effect of pH and sodium chloride concentration 743(2000)255

Partitioning of bovine serum albumin in an aqueous two-phase system: optimization of partition coefficient 743(2000)259

Carbon dioxide

Isoelectric precipitation of soybean protein using carbon dioxide as a volatile acid 743(2000)357

Cationic-anionic surfactants

Phase behavior and protein partitioning in aqueous two-phase systems of cationic-anionic surfactant mixtures 743(2000)327

Cellulose

Investigation of aqueous biphasic systems for the separation of lignins from cellulose in the paper pulping process 743(2000)127

Chymotrypsin inhibitor 2

Model process for separation based on unfolding and refolding of chymotrypsin inhibitor 2 in thermoseparating polymer two-phase systems 743(2000)13

Detergent-polymer aqueous two-phase system

Affinity partitioning of a poly(histidine)-tagged integral membrane protein, cytochrome bo_3 ubiquinol oxidase, in a detergent–polymer aqueous two-phase system containing metal-chelating polymer 743(2000)307

Dextran

Viscosity prediction of polyethylene glycol-dextran-water solutions used in aqueous two-phase systems 743(2000)181

PII: S0378-4347(00)00299-1

Enzymes

Determination of the dissociation constant of valine from acetohydroxy acid synthase by equilibrium partition in an aqueous two-phase system 743(2000)225

Bioaffinity extraction of glucoamylase in aqueous two-phase systems using starch as free bioligand 743(2000)241

Study on heterogeneity of β-glucosidase from *Aspergillus* species by using counter-current distribution 743(2000)247

Purification of acetohydroxy acid synthase by separation in an aqueous two-phase system 743(2000)281

Purification of soybean peroxidase (*Glycine max*) by metal affinity partitioning in aqueous two-phase systems 743(2000)287

Applications of aqueous two-phase partition to isolation of membranes from plants: A periodic NADH oxidase activity as a marker for right side-out plasma membrane vesicles 743(2000)369

Ethylene oxide-propylene oxide

Polymer recycling in aqueous two-phase extractions using thermoseparating ethylene oxide-propylene oxide copolymers 743(2000)115

Glucoamylase

Bioaffinity extraction of glucoamylase in aqueous two-phase systems using starch as free bioligand 743(2000)241

β-Glucosidase

Study on heterogeneity of β -glucosidase from *Aspergillus* species by using counter-current distribution 743(2000)247

Human serum albumin

Application of aqueous two-phase partition to the production of homogeneous preparations of fluorescently labelled human serum albumin 743(2000)263

Insulin

Partitioning of whey proteins, bovine serum albumin and porcine insulin in aqueous two-phase systems 743(2000)235

Isooctane

Conformational transition and mass transfer in extraction of proteins by AOT-alcohol-isooctane reverse micellar systems 743(2000)203

Lignins

Investigation of aqueous biphasic systems for the separation of lignins from cellulose in the paper pulping process 743(2000)127

Lysozome

Diffusion of lysozyme in gels and liquids. A general approach for the determination of diffusion coefficients using holographic laser interferometry 743(2000)151

NADH oxidase

Applications of aqueous two-phase partition to isolation of membranes from plants: A periodic NADH oxidase activity as a marker for right side-out plasma membrane vesicles 743(2000)369

Naphthol

Naphthol- and resorcinol-based azo dyes as metal ion complexants in aqueous biphasic systems 743(2000)107

NeutrAvidin

Affinity partitioning of biotinylated mixed liposomes: effect of charge on biotin–NeutrAvidin interaction 743(2000)389

Organic compounds

Relative hydrophobicity of organic compounds measured by partitioning in aqueous two-phase systems 743(2000)187

6-Pentyl-α-pyrone

Aroma compounds recovery from mycelial cultures in aqueous two-phase processes 743(2000)403

Peptides

Peptides partitioning in an aqueous dextran-polyethylene glycol two-phase system 743(2000)271

Partitioning of peptides and recombinant protein–peptide fusions in thermoseparating aqueous two-phase systems: effect of peptide primary structure 743(2000)295

$\textbf{1,10-Phenanthroline-copper}(II)\ \ sulphate$

Poly(ethylene glycol)-based aqueous biphasic systems: effect of temperature on phase equilibria and on partitioning of 1,10-phenanthroline-copper(II) sulphate complex 743(2000)231

Phosphatidylinositol 4-kinase

Purification of rabbit lacrimal gland plasma membranes by aqueous two-phase affinity partitioning 743(2000)397

Phospholipids

Affinity partitioning of biotinylated mixed liposomes: effect of charge on biotin-NeutrAvidin interaction 743(2000)389

Poly(ethylene glycol)

New aqueous two-phase system based on cashew-nut tree gum and poly(ethylene glycol) 743(2000)79

Solvatochromic studies in polyethylene glycol-salt aqueous biphasic systems 743(2000)137

Viscosity prediction of polyethylene glycol-dextran-water solutions used in aqueous two-phase systems 743(2000)181

Poly(ethylene glycol)-based aqueous biphasic systems: effect of temperature on phase equilibria and on partitioning of 1,10-phenanthroline-copper(II) sulphate complex 743(2000)231

Polymers

Analysis of compression of polymer mushrooms using selfconsistent field theory 743(2000)31

Partitioning and diffusion of large molecules in fibrous structures 743(2000)169

Proteins

Stimuli-responsive separation of proteins using immobilized liposome chromatography 743(2000)85

Partitioning and diffusion of large molecules in fibrous structures 743(2000)169

Conformational transition and mass transfer in extraction of proteins by AOT-alcohol-isooctane reverse micellar systems 743(2000)203

Partitioning of whey proteins, bovine serum albumin and porcine insulin in aqueous two-phase systems 743(2000)235

Phase behavior and protein partitioning in aqueous two-phase systems of cationic-anionic surfactant mixtures 743(2000)327

Resorcinol

Naphthol- and resorcinol-based azo dyes as metal ion complexants in aqueous biphasic systems 743(2000)107

Retroviruses

Recovery in aqueous two-phase systems of nanoparticulates applied as surrogate mimics for viral gene therapy vectors 743(2000)409

RNA

Simultaneous accumulation of low-molecular-mass RNA at the interface along with accumulation of high-molecular-mass RNA on aqueous two-phase system partitioning 743(2000)421

Sodium chloride

Bovine serum albumin partitioning in an aqueous two-phase system: Effect of pH and sodium chloride concentration 743(2000)255

Sodium sulphate

Drowning-out crystallisation of sodium sulphate using aqueous two-phase systems 743(2000)101

Soybean peroxidase

Purification of soybean peroxidase (*Glycine max*) by metal affinity partitioning in aqueous two-phase systems 743(2000)287

Soy protein

Isoelectric precipitation of soybean protein using carbon dioxide as a volatile acid 743(2000)357

Thermoseparating polymers

Model process for separation based on unfolding and refolding of chymotrypsin inhibitor 2 in thermoseparating polymer twophase systems 743(2000)13

Polymer recycling in aqueous two-phase extractions using thermoseparating ethylene oxide-propylene oxide copolymers 743(2000)115

Partitioning of peptides and recombinant protein-peptide fusions in thermoseparating aqueous two-phase systems: effect of peptide primary structure 743(2000)295

Valine

Determination of the dissociation constant of valine from acetohydroxy acid synthase by equilibrium partition in an aqueous two-phase system 743(2000)225

Volatile salts

Partitioning behavior of amino acids in aqueous two-phase systems with recyclable volatile salts 743(2000)317

Xylanolitic complex

Partitioning of xylanolitic complex from *Penicillium janthinellum* by an aqueous two-phase system 743(2000)339