

Papers on **PolyPROPYL-, -ETHYL, and -METHYL Aspartamide™**
 - for Hydrophobic Interaction Chromatography (HIC)

Ref#	REFERENCE	SUBJECT
P1)	Lachman et al., Meth. Enzymol. 116 (1985) 467.	Purif. of Interleukin-1 with PolyPROPYL A.
P2)	Alpert, J. Chromatogr. 359 (1986) 85.	Prepn. and use of PolyPROPYL-, -ETHYL, and -METHYL A.
P3)	Wetlaufer and Koenigbauer, J. Chromatogr. 359 (1986) 55.	Hydrophobic-Interact. Chromat. (HIC) of proteins using surfactants.
P4)	Yu and Glazer, J. Biol. Chem. 262 (1987) 17543.	Purif. of tyrosine kinase from HL-60 cells.
P5)	Alpert, BioChromatography 2 (1987) 131.	Peptide HPLC: HIC vs. RPC.
P6)	Alpert, J. Chromatogr. 444 (1988) 269.	Peptide HPLC; HIC vs. RPC.
P7)	Benedek, J. Chromatogr. 458 (1988) 93.	HIC of lactalbumin: Denaturation and retention vs. temp. and stationary phase.
P8)	Rosenstreich et al., J. Exp. Med. 168 (1988) 1767.	Purif. of an interleukin-1 inhibitor.
P9)	Wu et al., J. Chromatogr. 500 (1990) 595.	Assay of recombinant human growth hormone with various columns.
P10)	Meyer et al., Biochem. J. 274 (1991) 409.	Purif. of a new class (Theta) of glutathione transferases.
P11)	Retzios & Markland, Biochemistry 31 (1992) 4547.	Purif. of fibrinolytic enzymes from rattlesnake venom.
P12)	Trikha et al., Thrombosis Res. 73 (1994) 39.	Purif. of platelet aggregation inhibitors from snake venoms.
P13)	Loayza et al., J. Chromatogr. B 662 (1994) 227.	Resoln. of isoforms of fibrinolytic enzyme from copperhead snake venom.
P14)	Welinder et al., Anal. Chem. 67 (1995) 39A.	Systematic study of column variability in HPLC of human growth hormone derivative with PolyPROPYL A and other columns.
P15)	Retzios et al., Protein Exp. Purif. 1 (1990) 33.	Purif. of fibrinolytic enzymes from copperhead snake venom.
P16)	Ellis et al., Blood Coag. Fibrinol. 4 (1993) 537.	Isoln. of fibrinolytic fragments D-dimer, D1 & E with PolyETHYL A.
P17)	Mikolajczyk et al., Bioconjugate Chem. 5 (1994) 636.	Purif. of derivs. of β -lactamase and a murine Fab' antibody fragment .
P18)	Kumar et al., Cancer Res. 57 (1997) 3111.	Seqn. of prostate-specific antigen from its pro- form after conversion by kallekrein.
P19)	Mikolajczyk et al., Urology 50 (1997) 710.	Seqn. of prostate-specific antigen from several pro- forms and PSA-ACT complex.
P20)	Mikolajczyk et al., Eur. J. Biochem. 246 (1997) 440.	Seqn. of prostate-specific human kallekrein 2 from its pro-form.
P21)	Woodrum et al., Clin. Chem. 43 (1997) 1203.	Purif. of prostate-specific antigen from seminal plasma for use in an immunoassay.
P22)	Mikolajczyk et al., Urology 55 (2000) 41.	Isoln. of a clipped PSA variant (BPSA) correlated with benign prostate disease.
P23)	Mikolajczyk et al., Cancer Res. 60 (2000) 756.	Correlation of proPSA with prostate cancer.
P24)	Wang et al., Eur. J. Biochem. 267 (2000) 4040.	Antibodies to BPSA and PSA don't crossreact well.
P25)	Mikolajczyk et al., The Prostate 45 (2000) 271.	Identification of BPSA in seminal plasma.
P26)	Somers et al., Structure 6 (1998) 1601.	Purif. of GDP-fucose synthetase from <i>E. coli</i> .
P27)	Menon et al., J. Biol. Chem. 274 (1999) 26743.	Purif. of GDP-fucose synthetase from <i>E. coli</i> .
P28)	Hunter et al., Mol. Biochem. Parasitol. 103 (1999).	Purif. of recomb. SAG1 surface protein from <i>Toxoplasma gondii</i> .
P29)	Meyer et al., Biochem. J. 313 (1996) 223.	Purif. of prostaglandin-H E-isomerase from the nematode <i>Ascaridia</i> .
P30)	Keith et al., Biotechnol. Appl. Biochem. 34 (2001) 5.	Protein measurement in tears to determine their adhesion to contact lenses and vials.
P31)	Tanaka et al., Invest. Ophthalmol. Vis. Sci. 45 (2004) 245.	Isoln. of a growth-promoting factor for retinal pigment epithelial cells via IEX-HIC-RPC.
P32)	Linton et al., Clin. Chem. 49 (2003) 253.	Purif. of benign prostate-specific antigen (BPSA).
P33)	Wiesenborn et al., Appl. Env. Microbiol. 55 (1989) 317.	AEX-HIC purif. of phosphotransbutyrylase from <i>C. acetobutylicum</i> .
P34)	Wiesenborn et al., Appl. Env. Microbiol. 55 (1989) 323.	Purif. by HIC of CoA transferase from <i>C. acetobutylicum</i> .
P35)	Mikolajczyk et al., Clin. Chem. 50 (2004) 1017.	HIC of proenzyme forms of PSA in improved detection of prostate cancer.
P36)	Lai et al., Life Sci. 76 (2005) 1267.	Purif. by HIC of holotransferrin tagged with artemisinin for targeting cancer cells.

P37)	Wattenberg et al., J. Cell Biol. 118 (1992) 1321	Isoln. of soluble NSF attachment protein w.r. Golgi transport vesicles.
P38)	Eccleston et al., Mol. Reprod. Dev. 37 (1994) 110.	Isoln. of rat spermatozoa surface glycoprotein in 95% purity with a single HIC step.
P39)	Mohamedali et al., Biochemistry 35 (1996) 1672.	Purif. of <i>rec</i> mouse adenosine deaminase from <i>E. coli</i> .
P40)	Parry et al., Plant Physiol. 115 (1997) 1421.	Isoln. of RNase from tomato in higher purity and activity compared with CEX or RPC.
P41)	Pera et al., Mol. Reprod. Dev. 48 (1997) 433.	Isoln. of rat epididymal GPI glycoprotein CD52.
P42)	Brockman et al., Rapid Commun. Mass Spectrom. 13 (1999) 1024.	SPE-HIC used to get rid of low mol. wt. compounds from peptides extracted from mouse heart.
P43)	Silver et al., Arch. Insect Biochem. Physiol. 51 (2002) 136.	HIC-WCX sequence used to isolate the Ig-degrading protease from flea gut.
P44)	Gaertner & Offord, Bioconj. Chem. 7 (1996) 38.	Purif. of PEGylated Interleukin-1.
P45)	Tsai et al., J. Pharmaceut. Sci. 86 (1997) 1264.	Purif. in semi-RPC mode of insulin with palmitoyl group on N-term. of beta-chain.

PAPERS on **PolyWAX LP™** - for Anion-Exchange (WAX)

Ref#	REFERENCE	SUBJECT
W1)	Alpert and Regnier, J. Chromatogr. 185 (1979) 375.	Preparation of the precursor of PolyWAX LP for anion-ex. HPLC of proteins.
W2)	Baxter et al., J. Biol. Chem. 264 (1989) 11843.	Purif. of acid-labile subunit (ex human serum) from insulin-like growth factor binding complex.
W3)	Ronk et al., Tech. Protein Chem. 5 (1994) 259.	Anion-exchange of proteins with packed capillaries.
W4)	Baxter and Dai, Endocrinology 134 (1994) 848.	Purif. of acid-labile subunit (ex rat serum) from insulin-like growth factor binding complex.
W5)	Schmerr et al., J. Chromatogr. A 802 (1998)135.	Purif. and analysis of the scrapie prion protein (same ref. as H40).
W6)	Azhayev & Antopolsky, Tetrahedron 57 (2001) 4977.	Analysis of phosphorothioate oligonucleotide analogs.
W7)	Hernandez et al., J. Virol. Meth. 120 (2004) 141.	Rapid purif. of GC-rich PCR products by anion-exchange instead of gels.
W8)	Zhang et al., J. Biol. Chem. 279 (2004) 50969.	Use of a PolyWAX cartridge for desalting acyl carrier protein with a volatile solvent.
W9)	Leonardi et al., J. Biol. Chem. 280 (2005) 3314.	Same as W8) but for pantothenate kinase.
W10)	Kotlyar et al., Nucl. Acids Res. 33 (2005) 525.	PolyWAX LP for purification of poly(dC) oligonucleotides and to analyze dNTP's .
W11)	Antopolsky & Azhayev, Helv. Chim. Acta 82 (1999) 2130.	Purif. of peptide-oligonucleotide conjugates.
W12)	Tennilä et al., Chemistry Biodiversity 1 (2004) 609.	Purif. of circular oligonucleotides.
W13)	Bunčec et al., Anal. Biochem. 348 (2006) 300.	Oligonucleotides: PolyWAX LP is more hydrophilic than Biospher Q & exhibits greater sensitivity to base sequence differences.