

## รายการอ้างอิง

- Albani, F., Riva, R., and Baruzzi, A. Simple and rapid determination of propranolol and its active metabolite, 4-hydroxypropranolol in human plasma by liquid chromatography with fluorescence detection. J. Chromatogr. 228(1982) : 362-365.
- Aufrere, M.B., Hoener, B.A., and Vore, M.E. High-performance liquid chromatographic assay for nitrofurantoin in plasma and urine. Clin.Chem. 23(1977) : 2207-2212.
- Ballerini, R., Cambi, A., Soldato, P., Melani, F., and Meli, A. Determination of ketoprofen by direct injection of deproteinized body fluid into a HPLC system. J. Pharm. Sci. 68(1979) : 366-368.
- Berkman, S., Henry, R.J., Golub, O.J., and Segalove, M. Tungstic acid precipitation of blood proteins. J. Biol. Chem. 191(1953) : 937-943.
- Blanchard, J. Evaluation of the reactive efficacy of various techniques for deproteinizing plasma samples prior to HPLC analysis. J. Chromatogr. 226(1981) : 455-460.

- Boll, E.W., and Melander, A. High-performance liquid chromatography determination of glipizide and some other sulfonylurea drugs in serum. J. Chromatogr. 164(1979) : 541-546.
- Briggs, D.R. The metaphosphoric acid-protein reaction. J. Biol. Chem. 134(1940) : 261-272.
- Bruke, T., et al. High-pressure liquid chromatography assay for chloramphenicol, chloramphenicol-3-monosuccinate and chloramphenicol-1-monosuccinate. J. Pharm. Sci. 69, 8(1980) 909-912.
- Brown, Y.L., Kandrotas, R.J., Douglas, J.B., and Gal, P. High-performance liquid-chromatographic determination of indomethacin serum concentration. J. Chromatogr. 459(1988) : 275-279.
- Burke, J.T., and Thenot, J.P. Determination of antiepileptic drugs J. Chromatogr. 340(1985) : 199-241.
- Bye, A., and Brown, M.E. An analytical approach to quantitation of known drugs in human biological sample by HPLC. J. Chromatogr. Sci. 15(1977) : 365-371.

Cadwallader, D.E., and Jun, H.W. Nitrofurantoin. Analytical Profile of Drug Substances. Vol 5. San Diego, California, U.S.A. : Academic Press, 1976.

Clarke's Isolation and Identification of drugs, 2<sup>nd</sup> Ed.  
London : The Pharmaceutical Press, 1986.

Chen, M.L., and Chiou, W.L. Sensitivity and rapid high-performance liquid chromatographic method for the simultaneous determination of Methotrexate and its metabolites in plasma saliva and urine. J. Chromatogr. 226(1981) : 125-134.

Chu, S.Y. Extraction procedure for measuring anticonvulsant drug by LC. Clin. Chem. 26(1980) : 521-522.

Dolan, J.W., and Synder, L.R. Troubleshooting LC Systems, Clifton, N. J : Human Press, 1989.

El-Obeid, H.A., and Al-Badr, A.A. Acetaminophen. Analytical Profile of Drug Substances. Vol 14. San Diego, California, U.S.A. : Academic Press, 1976.



- Eksberg, S., and Ehrsson, H. Determination of Anthraquinone Glycosides in Plasma by High-Performance Liquid Chromatography. J. Pharm. Biomed. Anal. 2(1985): 297-303.
- Ervik, M., Lagerstrom, P.O., and Persson, B.A. Drug level monitoring : Cardiovascular drugs. J. Chromatogr. 340(1985) : 73-138.
- Freeman, D.J. Serum anticonvulsant monitoring by LC with a methanolic mobile phase. Clin. Chem. 25(1979) : 810-812.
- Gibaldi, M. Handbook of Clinical Pharmacokinetics. ADIS Health Science Press, 1983.
- Grahame, D.G., and Aronson, J.K. Drug Distribution. Oxford Textbook of Clinical Pharmacology and Drug Therapy. Oxford University Press, 1987.
- Granneman, G.R., and Sennello, L.T. A very precise high-performance liquid chromatographic procedure for determination of cefmenoxime, a new cephalosporin antibiotic, in plasma. J. Chromatogr. 229(1982): 149-157.

- Haupt, H.K., and Schwick, H.G. Plasma protein fractionation in The Plasma Protein (Structure, Function and General Control), Vol 3. 2<sup>nd</sup> ed. Putnum. F.W. Ed. New York : Academic Press, 1977.
- Henry, R.J. The preparation of protein-free filtrates in Clinical Chemistry : Principle and Technics. New York : Hoeber Medical Division, 1964.
- Hiller, A., and Van Slyke, D.D. A study certain protein precipitants. J. Biol. Chem. 53(1922) : 253-267.
- Hoffman, D.J. Rapid GLC determination of Ibuprofen in serum. J. Pharm. Sci. 66(1977) : 749-750.
- Jensen, J.C., and Gugler, R. Sensitivity high-performance liquid chromatographic method for the determination of metronidazole and metabolites. J. Chromatogr. 277(1983) : 381-384.
- Katogi, Y., Ohmura, T., and Adachi, M. Simple and rapid determination of fenopufen in plasma using high-performance liquid chromatography. J. Chromatogr. 278(1983) : 475-477.

- Katz, E., Ed. Quantitative Analysis Using Chromatographic Techniques. New York : John Wiley & Sons, 1987.
- Koch, F.C., and Hanke, M.E. Proteins Practical Methods in Biochemistry 6<sup>th</sup> ED, Baltimore : Willams-Wilkins, 1953.
- Korduba, C.A., and Petruzzi, R.F. High-performance liquid chromatographic method for the determination of trace amounts of acetaminophen in plasma. J. Pharm. Sci. 73(1984) : 177-120.
- Lada, B.N., et al. Protein Binding. Fundamental of Drug Metabolism and Drug Distribution. Baltimore : William-Wilkin. 1971
- Laking, D.B. Determination of indoprofen in physiological fluids by reversed-Phase liquid chromatography. J. Pharm. Sci. 67(1978) : 831-833.
- Lankelma, J., and Poppe, H. Determination of methotrexate in plasma by on-Column concentration and ion-exchange chromatography. J. Chromatogr. 149(1978) : 587-598.



- Lawson, G.T. Rapid and simple method for measurement of methotrexate and 7-Hydroxymethotrexate in serum by high performance liquid chromatography. J. Chromatogr. 223(1981) : 225-231.
- Liehniger, A.L. Biochemistry. n<sup>th</sup> ed. New York : Worth Publishers. Inc. 1975
- Lim, C.K. Simple preparation for high-performance liquid chromatography in the clinical laboratory. Trends Anal Chem. 7(1988) : 340-345.
- Lo, M., and Riegelman, S. Determination of propranolol and its major metabolites in plasma and urine by high performance liquid chromatography without solvent extraction. J. Chromatogr. 183(1980) : 213-220.
- Leon, A. Improved HPLC assay for monitoring phenylbutazone and its two major oxidised metabolites in plasma. J. Chim. Acta. 105(1980) : 377-382.
- Martindale The Extra Pharmacopeia. 29<sup>th</sup> ed. London : The Pharmaceutical Press. 1989.

- Marques, R.A., Staddord, B., Flynn, N., and Sadee, W.  
Determination of metronidazole and misonidazole  
and their metabolite in plasma and urine by high  
performance liquid chromatography. J. Chromatogr.  
146(1978) : 163-166.
- Mcdowall, R.D. Sample preparation for biomedical analysis.  
J. Chromatogr. 492(1989) : 3-58.
- Miline, J. Serum protein fractionation : a comparison of  
sodium sulfate precipitation and electrophoresis.  
J. Biol. Chem. 169(1947) : 595-599.
- Moffat, A.C., Jackson, J.V., Moss, M.S., and Widdop, B.  
Clark's Isolation and Identification of Drug.  
2nd ed. London : The Pharmaceutical Press, 1986
- Montgomery, R., Dryer, R.L., Conway, T.W., and Spector,  
A.A. Biochemistry, A Case Oriented approach.  
3rd ed. New York : C.V. Mosby Company, 1977
- Nation, R.L. Simple, rapid and micro HPLC determination  
of plasma griseofulvin level. J. Pharm. Sci.  
67(1978) : 805-808.



- O'connell, A.E., and Zurzola, F.J. Rapid quantitative of acetaminophen in plasma. J. Pharm. Sci. 71(1982) : 1291-1294.
- Parkhurst, G.W. HPLC-UV determination of primaquine and its metabolites in human plasma and urine. J. Pharm. Sci. 73(1984) : 1329-1331
- Peter, J.P., and Van Slyke, D.D. Quantitative Clinical Chemistry, Vol II Method. Baltimore : Waver Press, 1932.
- Philip, J. Phenytoin. Analytical Profile of Drug Substances, Vol 13. San Diego. California : Academic Press. 1984.
- Quattrone, A.J., and Putnam, R.S. A single liquid chromatographic procedure for therapeutic monitoring of theophylline, acetaminophen or ethosuximide. Clin. Chem. 27(1981) : 129-132.
- Rouan, M.C. Antibiotic monitoring in body fluid. J. Chromatogr. 340(1985) : 361-400.

- Rustum, A.M. Simple and rapid reversed-phase high performance liquid-chromatographic determination of baclofen in human plasma with ultra-violet detection, application to a pharmacokinetic study. J. Chromatogr. 487(1989) : 107-115
- Sadee, W., and Beelen, G.C.M. Drug Level Monitoring. New York : Wiley Interscience, 1980.
- Slonek, J.E., Peng, G.W., and Chiou, W.J. Rapid and micro high-pressure liquid chromatographic determination of plasma phenytoin levels. J. Pharm. Sci. 67(1978) : 110-115.
- Smith, R.V., and Stewart, J. T. A Textbook of Biopharmaceutical Analysis. Philadelphia : Lea & Febiger, 1981.
- Soldin, S.T., and Hill, J.G. Rapid micro method for measuring anticonvulsant drugs in serum by high-performance liquid chromatography. Clin. Chem. 22(1976) : 856-859.
- Somogyi, M. Nitrogenous substances in zinc filtrates of human blood. J. Biol. Chem. 87(1930) : 339-344.

- \_\_\_\_\_. The use of copper and iron salts for the deproteinization of blood. *J. Biol. Chem.* 90(1931) : 725-729.
- Snyder, L.R., and Kirkland, J.J. Introduction to Modern Liquid Chromatography. Second Ed. : A Wiley-Interscience Publication, John Wiley & Son Inc, 1979.
- Snyder, L.R., Kirkland, J.J., and Glajch, J.L. Practical HPLC Method Development. New York : John Wiley & Sons Inc, 1988.
- Szabo, G.K., and Brown, T.R. Improved isocratic liquid-chromatographic simultaneous measurement of phenytoin, phenobarbital, primidone, carbamazepine, ethosuximide and N-desmethyl methsuximide in serum. Clin. Chem. 28(1982) : 100-104.
- Szepesi, G. HPLC in Pharmaceutical Analysis, Vol I, General Considerations, Florida : CRC Press, 1990.
- The United State Pharmacopiea XXI. Rockville MD.: United States Pharmacopeia Convention, Inc. USA., 1985.



Torchia, M.G., and Danzinger, R.G. Reversed-phase high-performance liquid chromatographic assay for cefoxitin in proteinaceous biological samples. J. Chromatogr. 181(1980) : 120-212.

Ueiand, P.M. Determination of Warfarin in Human Plasma by High-Performance Liquid Chromatography and Photodiode-Array Detector. Ther. Drug. Monit. 7(1985) : 329-335.

Vree, T.B., Hekster, Y.A., Baar, A.M., Damsma, J.E., and Kleijni, E.V. Determination of trimethoprim and sulfamethoxazole (co-trimoxazole) in body fluids of man by means of HPLC. J. Chromatogr. 146(1978) : 103-112.

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\_\_\_\_\_ . Rapid determination of amoxicillin (Clamoxyl<sup>(R)</sup>) and ampicillin (Penbritin<sup>(R)</sup>) in body fluids of many by means of HPLC. J. Chromatogr. 145(1978) : 496-501.

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\_\_\_\_\_ . Determinations of nitrofurantoin (Furadantine<sup>(R)</sup>) and hydroxymethylnitrofurantoin (Urfadyn<sup>(R)</sup>) in plasma and urine of man by means of high-performance liquid chromatography. J. Chromatogr. 162(1979) : 110-116.

Wearly, L.L. Metronidazole. Analytical Profile of Drug Substances. Vol 5. San Diego. California. Academic Press. 1976.

Windholz, M., Budavari, S., Blumetti, R.F., and Oter bein, E.D. Merck Index 10<sup>th</sup> ed. New Jersey : Merck & Co Inc. 1983.

Woolard, G.A. Effect of precipitating agents on the analysis of metronidazole by high performance liquid chromatography. J. Chromatogr. 303(1984) : 222-224.

Yousry, M.E. A Rapid and Sensitive High-Performance Liquid Chromatographic Method for the Determination of Diclofenac Sodium in Serum and its Use in Pharmacokinetics Studies. J. Pharm. Pharmacol. 40(1988) : 727-729.

วัชรภรณ์ สุริยาภิวพันธ์. สถิติเบื้องต้นและการวิเคราะห์ข้อมูลทางวิทยาศาสตร์. พิมพ์ครั้งที่ 1. กรุงเทพมหานคร : สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย, 2529.

ศิริชัย ทองวิชัย. การวิเคราะห์ข้อมูลทางสถิติด้วยคอมพิวเตอร์. พิมพ์ครั้งที่ 2. กรุงเทพมหานคร : สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย, 2534.

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