

DIAGNOSTIC REFERENCES / Analyte Detection

Ahmadian A, Russom A, Andersson H, Uhlen M, Stemme G, Nilsson P. (2002). **SNP analysis by allele-specific extension in a micromachined filter chamber.** *Biotechniques*, 32(4):748-754.

Spiro A, Lowe M. (2002). **Quantitation of DNA sequences in environmental PCR products by a multiplexed, bead-based method.** *Applied and Environmental Microbiology*, 68(2):1010-3.

Wang J, Xu D, Polsky R. (2002). **Magnetically-induced solid-state electrochemical detection of DNA hybridization.** *JACS*, 124:4208-4209.

Kuckuck, F. W., B. S. Edwards, et al. (2001). **High throughput flow cytometry.** *Cytometry* 44: 83-90.

Nolan JP, Mandy FF. (2001). **Suspension array technology: New tools for gene and protein analysis.** *Cellular & Molecular Biology*, 47(7):1241-56.

Szurdoki, F., K. L. Michael, et al. (2001). **A duplexed microsphere-based fluorescent immunoassay.** *Analytical Biochemistry*, 291: 219-28.

Park, M.K., D.E. Briles, and M.H. Nahm. (2000). **A latex bead-based flow cytometric immunoassay capable of simultaneous typing of multiple pneumococcal serotypes (multibead assay).** *Clin Diag Lab Immunol*, 7(3):486-9.

Schweitzer, B., S. Wiltshire, et al. (2000). **Immunoassays with rolling circle DNA amplification: A versatile platform for ultrasensitive antigen detection.** *PNAS*, 97(18): 10113-10119.

Spiro, A., M. Lowe, et al. (2000). **A bead-based method for multiplexed identification and quantitation of DNA sequences using flow cytometry.** *Appl Environ Microbiol*, 66(10): 4258-4265.

Chen, R., L. Lowe, et al. (1999). **Simultaneous quantification of six human cytokines in a single sample using microparticle-based flow cytometric technology.** *Clinical Chemistry*, 45(9): 1693.

de Larrea, B. (1999). **A sensitive, particle-enhanced assay for ferritin on IMAGE Immunochemistry System.** *AACC*, New Orleans, LA.

Pyle, B.H., S.C. Broadaway, and G.A. McFeters. (1999). **Sensitive detection of Escherichia coli O157:H7 in food and water by immunomagnetic separation and solid-phase laser cytometry.** *Appl Environ Microbiol*. 65(5):1966-72.

Valkirs, G. (1999). **Diagnostic tests and kits for Clostridium Difficile.** US Patent 5,965,375.

Finney, H., D. J. Newman, et al. (1997). **Initial evaluation of Cystatin C measurement by particle-enhanced immunonephelometry on the Behring Nephelometer Systems (BNA, BN II).** *Clinical Chemistry*, 43(6): 1016-1022.

Mehrpooyan M, Bishop JE, Otrrova N, Van Cleve M, Lohman KL. (1997). **A rapid and sensitive method for non-isotopic quantitation of HIV-1 RNA using thermophilic SDA and flow cytometry.** *Molecular and Cellular Probes*, 11:337-47.

Mulder, J., R. Resnick, et al. (1997). **A rapid and simple method for extracting Human Immunodeficiency Virus Type 1 RNA from plasma: enhanced sensitivity.** *Journal of Clinical Microbiology*, 35(5): 1278-1280.

Bangs, L. B. (1996). **Diagnostic applications of microspheres. Liquid-and surface-borne particle measurement handbook.** J. Z. Knapp, T.

A. Barber and A. Lieberman. New York, Marcel Dekker, Inc.: 687-707.

Bangs, L. B. (1996). **New developments in particle-based immunoassays: introduction.** *Pure and Applied Chemistry*, 68(10): 1873-1879.

Bogart, G. R. (1996). **Detection of an analyte by fluorescence using a thin film optical device.** US Patent 5,552,272.

Bangs, L. B. and M. B. Meza (1995). **Microspheres, part 1: selection, cleaning and characterization; Microspheres, part 2: ligand attachment and test formulation.** *IVD Technology* (in Medical Device & Diagnostic Industry) 17(3 and 4): 18-26; 20-26.

Graham, B. M., A. J. R. Porter, et al. (1995). **Cloning, expression and characterization of a single-chain antibody fragment to the herbicide Paraquat.** *J Chem Tech Biotechnol*. 63: 279-289.

Imrich, M. R., J. K. Zeis, et al. (1995). **Lateral flow medical diagnostic assay device.** US Patent 5,415,994.

Pachl, C., et al. (1995). **Rapid and precise quantification of HIV-1 RNA in plasma using a branched DNA signal amplification assay.** *Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology*, 8: 446-454.

Clausen, C. A. and F. Green III (1994). **Dyed particle capture immunoassay for detection of incipient brown-rot decay.** ASM, Las Vegas, NV.

Kwittken, P., N. A. Pawlowski, et al. (1994). **Flow cytometric measurement of Immunoglobulin E to natural latex proteins.** *Clinical and Diagnostic Laboratory Immunology*, (March): 197-201.

Ullman, E. F., H. Kirakossian, et al. (1994). **Luminescent oxygen channeling immunoassay: Measurement of particle binding kinetics by chemiluminescence.** *Proc Natl Acad Sci*. 91: 5426-5430.

Sun, M. and F. R. Pfeiffer (1993). **Analytical test devices for competition assay for drugs of non-protein antigens using immunochromatographic techniques.** US Patent 5,238,652.

Brunhouse, R. F., C. M. Hajek, et al. (1991). **Method and apparatus for obtaining an absolute white blood cell subset count and white blood cell multipart differential.** US Patent 5,348,859.

Lemonius, S. (1991). **Particle Partition Test (PPT) (Thesis).** Odense University.

Bangs, L. B. (1990). **Latex immunoassays.** *Journal of Clinical Immunoassay*, 13(3): 127-131.

Bangs, L. B. (1990). **Particle-based tests and assays: Pitfalls and problems in preparation.** *American Clinical Laboratory News Edition*, (May 1990).

Sachar, K. S. and B. Goldstein (1990). **Optimization of the controlled separation of biologically active diagnostic magnetic probes.** *Computers in Physics*, (Nov/Dec): 837-844.