

GENOMICS REFERENCES / Molecular Biology

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.

Brenner S, Johnson M, Bridgham J, Golda G, Lloyd DH, Johnson D, et. al. (2002). **Gene expression analysis by massively parallel signature sequencing (MPSS) on microbead arrays.** *Nature Biotechnology*, 18(6):630-4.

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.

Baugh, L.R., A.A. Hill, E.L. Brown, and C.P. Hunter. (2001). **Quantitative analysis of mRNA amplification by in vitro transcription.** *Nucleic Acids Res*, 29(5): e29.

Bianco, P. R., L. R. Brewer, et al. (2001). **Processive translocation and DNA unwinding by individual RecBCD enzyme molecules.** *Nature*, 409: 374-378.

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

Brenner, S., S. R. Williams, et al. (2000). **In vitro cloning of complex mixtures of DNA on microbeads: Physical separation of differentially expressed cDNA's.** *PNAS*, 97(4): 1665-1670.

Ferguson, J. A., F. J. Steemers, et al. (2000). **High-density fiber-optic DNA random microsphere array.** *Analytical Chemistry*, 72(22): 5618-5624.

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.

Harada, Y., T. Funatsu, et al. (1999). **Single-molecule imaging of RNA Polymerase-DNA interactions in real time.** *Biophys J*, 76(2): 709-715.

Hegner, M., S. B. Smith, et al. (1999). **Polymerization and mechanical properties of single RecA-DNA filaments.** *Biophysics*, 96(August): 10109-10114.

Bains, W. (1998). **Simple DNA probe assays based on particle agglutination.** *Clinical Chemistry*, 44(4): 876-878.

Davis, K. A., Y. Lin, et al. (1998). **Staining of cell surface human CD4 with 2'-F-pyrimidine-containing RNA aptamers for flow cytometry.** *Nucleic Acids Research*, 26(17): 3915-3924.

Engelstein, M., T. J. Aldredge, et al. (1998). **An efficient, automatable template preparation for high throughput sequencing.** *Microbial & Comparative Genomics*, 3(4): 237-241.

Sinclair, B. (1998). **To bead or not to bead: Applications of magnetic bead technology.** *The Scientist*, 12(13): 17.

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.

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.