

### Real-Time PCR Detection

The CFX96 real-time polymerase chain reaction (PCR) system builds on the power and flexibility of the C1000 thermal cycler, adding an easy-to-install interchangeable reaction module. The instrument features a 3.3°C per second average ramp rate, a patent-pending reduced-mass sample block, a 10-second settling time, and high-speed performance. The system produces results in less than 30 minutes. A thermal gradient feature optimizes reactions in a single experiment. Reliable results can be obtained with sample volumes as low as 10 µl. Powerful, intuitive software helps accelerate every step in research, from getting started to getting results.

**Bio-Rad Laboratories**

For information 877-246-7231

[www.bio-rad.com](http://www.bio-rad.com)



### DNA from Mammalian Tissue

The Agencourt DNAdvance System is a kit for DNA isolation and extraction from mammalian tissue samples. The kit incorporates the patented SPRI (solid phase reversible immobilization) paramagnetic bead-based nucleic acid purification technology. The kit can be automated on the Beckman Coulter Biomek NXP and FXP workstations to process three 96-well plates in about 75 minutes without the use of organic solvents, vacuum filtration, or centrifugation. A typical application is the use of knockout mice for genotyping studies: DNA extraction from a mouse tail can be difficult, but this kit provides a streamlined process that maximizes yields.

**Beckman Coulter/Agencourt**

For information 978-867-2962

[www.agencourt.com](http://www.agencourt.com)

### Plasmid DNA Screening

Toothpick-PCR allows for the rapid release of plasmids from transformed bacteria for screening by polymerase chain reaction (PCR). It does not require the user to grow bacteria, perform minipreps, or purify the plasmid DNA. The kit also does not use ethidium bromide, so eliminates the problems associated with this stain.

**G-Biosciences/Genotech**

For information 314-991-6034

[www.GBiosciences.com](http://www.GBiosciences.com)

### Plasmid Miniprep Kit

The GenElute 96-Well Plasmid Miniprep Kit provides rapid generation of transfection-grade plasmid from bacterial cultures. Suitable for a variety of pharmaceutical and biotechnology research applications, the kit rapidly purifies plasmid DNA with high viral titers. The kit can recover up to 10 µg of high-copy plasmid DNA per well from 1.3 ml of harvested bacterial culture in less than 50 minutes. The purified plasmid DNA is suitable for a wide variety of molecular biology applications, including cloning, restriction digestion, in vitro transcription and translation, and sequencing. The kit is compatible with automated liquid handling workstations and offers a vacuum-manifold-based manual protocol.

**Sigma-Aldrich**

For information 800-521-8956

[www.sigma-aldrich.com](http://www.sigma-aldrich.com)

### DNA Purification with Inhibitor Removal

This line of nucleic acid isolation products is optimized for troublesome samples, and features a patent-pending technology that removes enzymatic inhibitors from any sample, including soil, stool, water, environmental, and plant. Highly pure DNA or RNA can be isolated with fast and easy spin columns or capture columns. Even previously unusable archived DNA samples that still contain contaminants after being purified using other products or techniques can be cleaned up and eluted inhibitor-free.

**Mo Bio Laboratories**

For information 800-606-6246

[www.mobio.com/IRT](http://www.mobio.com/IRT)

### DNA Analyzer

The Spartan DXT DNA analyzer now includes a second (red) channel for optical detection that permits scientists to test for two genetic markers simultaneously in the same reaction tube. It also enables scientists to run internal controls to confirm that an assay is working properly. The new feature provides users with improved diagnostic capabilities for their on-demand DNA testing applications, including real-time polymerase chain reaction. The two-channel instrument is just as portable as the single-channel DX version, sharing the same footprint. Scientists have validated the Spartan DX for applications such as testing for herpes simplex virus in pediatric meningitis and vancomycin-resistant enterococci, an antibiotic-resistant “superbug.”

**Spartan Bioscience**

For information 613-866-8803

[www.spartanbio.com](http://www.spartanbio.com)

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