

## New Products

### Gradient Thermal Cyclers

The new line of thermal and gradient thermal cyclers offers users the combination of outstanding flexibility and ease of use thanks to a host of standard features, yet the instruments are competitively priced and compact enough to suit most laboratories and budgets. They incorporate a large, easy-to-view control panel for intuitive, simple touch-screen programming of the entire protocol. The multiple program options and reaction formats ensure flexibility across a range of thermal cycling reactions and applications. They feature heated lids that effectively seal and reduce condensation in the sample vessel. The gradient model has four quick-change block options for 0.2-ml or 0.5-ml tubes, 96-well or 384-well plates, and slides. The TC32/80 is an economical “nongradient” model for use when microplates or gradient are not required. It includes a combi-block for 0.2-ml and 0.5-ml tubes.

Cleaver Scientific

For information 44 (0) 1788 565 300  
www.cleaverscientific.com



### Gel Documentation and Marker System

The GEBR DNA Gel Marker System incorporates an advanced gel documentation system with an automated marking system that optimizes imaging and image analysis workflow in life science laboratories and reduces exposure times for delicate DNA to less than 5 seconds. Once the image is captured and the bands of interest have been selected, the robotic arm marks all four corners of the selected band, sterilizing the tool between each band. The gel is imaged and marked in just a few minutes. The bands of interest are clearly visible with a white light box and can be excised without causing harm to the DNA or to the user. The system’s state-of-the-art technology improves all aspects of DNA gel analysis and manipulation, providing safety, enhancing DNA integrity, and improving speed for increased throughput. The system provides a solution to the longstanding problem of how to excise DNA bands from agarose gels without damaging the DNA by exposure to ultraviolet light.

Norgren Systems

For information 401-996-8589  
www.norgrensystems.com

### Gel Imaging System

The BioSpectrum 800 Imaging System for accelerated, two-dimensional gel imaging and analysis is a fully motorized and automated light-tight darkroom with high-resolution, 8.3-megapixel image capture capability. The fast capture time of the BioSpectrum 800, coupled with the ease of use of Nonlinear Dynamics’ SameSpots analysis software, accelerates and simplifies research lab workflow. The system accommodates a variety of gel sizes. It provides the ability to analyze enough replicates for true statistical power in only a matter of hours, a key to generating robust and reliable data from proteomics research.

UVP

For information 909-946-3197  
www.uvp.com

### DNA from Fixed Tissue Samples

The Repli-g FFPE Kit supports the genomic analysis of formalin-fixed paraffin-embedded (FFPE) tissue samples, eliminating the problems associated with DNA fragmentation and damage caused by formalin fixation. The kit makes use of a novel DNA processing reaction, allowing the advantages of multiple displacement amplification, a key technology in the amplification of genomic DNA, to be extended to highly degraded DNA samples derived from FFPE tissue. Isolation of sufficient genomic DNA from FFPE tissue is often difficult due to the low amount of DNA available. The Repli-g FFPE Kit allows amplification of precious sample material while maintaining locus representation, enabling unlimited downstream analyses to be

performed without further purification. The kit provides uniform amplification resulting in scalable and standardized DNA yields. Following lysis of the tissue section, the DNA is processed using novel buffers and enzymes that ligate fragmented DNA. A two-hour amplification reaction typically yields 10 µg DNA, and an eight-hour incubation can yield 40 µg.

Qiagen

For information 240-686-7660  
www.qiagen.com

### PCR Inhibitor Removal

The PowerClean DNA Clean-up Kit can purify DNA containing polymerase chain reaction (PCR) inhibitors. Removing the inhibitors can help with DNA that will not amplify or gives a weak signal. The manufacturer also offers a line of PowerDNA isolation kits that feature this unique, patent-pending PCR inhibitor removal technology.

Mo Bio Laboratories

For information 800-606-6246  
www.mobio.com

### Oncology Panel

TissueScan is a panel of normalized complementary DNA from cancer tissues at various stages of progression. The panel allows scientists to quickly obtain a gene expression profile or a single nucleotide polymorphism (SNP) profile across hundreds of cancer tissues using simple, real-time polymerase chain reaction with gene-specific or SNP-specific primers. This capability is especially useful for microarray data validation in which candidate biomarkers are identified by comparing a relatively small number of samples. The tissue samples used for each panel cover all disease stages and are accompanied by comprehensive pathology reports.

OriGene

For information 888-267-4436  
www.origene.com

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