colonies/

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of

dishes

onboard camera and

several modes

Got the urge to do some high-throughput picking? Gel-2-Well™ from GeneMachines

can apparently pick up to 2,000 plaques or bacterial colonies in an hour without user

intervention. The 'picker' features a rotating

turret of needles, which are washed and ster-

## Autumn's picks

September's harvest includes analytical software, micromanipulators and expandable microtitre plates.

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Wondering what to do with all that expression data? The GeneSpring<sup>™</sup> 2.1 software package from Silicon Genetics enables visualization and analysis of genomic expression experiments. GeneSpring™ uses data from experiments that generate quantitative expression values, such as microarrays and SAGE. Data can be supplied as relational databases, flat files or spreadsheets. GeneSpring<sup>™</sup> 2.1 can organize data by parameters such as physical position, gene function or pathway, and

expression patterns can be clustered and annotated. The software can interface with web links for automatic data mining, and analyses can be saved in HTML to facilitate web posting. GeneSpring<sup>™</sup> 2.1 is compatible with Windows, Mac and Unix operating systems, and the manufacturer

will customize the program (if necessary) to fit your database needs.

Silicon Genetics

Another means by which to analyse microarray data is provided by MicroArray Suite from Scanalytics, Inc. MicroArray Suite provides image analysis and fully normalized quantitation in an integrated software environment. It also features automated image capture and analysis, a gridwork overlay for multiple array comparisons, gene databasing capabilities and 'structural data extraction' to locate specific data. The software is compatible with a variety of array systems, laser scanners and printers, and is fully integrated with Scanalytics's existing 'IPLab' image acqui-

sition and analysis package. MicroArray Suite is available for the Mac operating system.

PREMIER Biosoft International updates their primer design software line with Primer Premier Pro Version 4.1. The latest release optimizes design of primers for long PCR (up to 50 kb), along with the existing capabilities of designing PCR and sequencing primers, and hybridization probes. Other features include design of nested/multiplex and degenerate primers, checks for hairpin, primer-dimer and false-priming and primers for mutagenesis. site-directed Restriction enzyme analysis is also supported, with multiple

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output formats, and order an form addressed to the vendor of choice can be automatically created. Primer Premier Pro Version 4.1 is available for the Mac or Windows operating systems, and, if you'd like to have it this immediately, you can download it from the company website.

To capture digital images from gels, Ultra-Lum, Inc. introduces the DigiPix<sup>™</sup> Digital Camera, which the manufacturer claims is the most economical camera for

documentation gel and image analysis presently available. The camera features 1.2 million pixel 24-bit resolution, colour and monochrome imaging and a variety of lenses (fixed-focus, manual and motorized zoom).

A PCI or PCMCIA card interface captures

images and relays them to a computer, and a TWAIN driver enables image acquisition directly to popular analysis programs. The DigiPix<sup>™</sup> Digital Camera is compatible with many models of transilluminator, and the system is Mac- and Windows-compatible.

Transferman<sup>™</sup> NK.



Embi Tec's Morph expands 96-well horizons.

lighting allow consistent identification of targets, which can be selected for roundness, proximity and intensity. Output is on 84 separate microtitre plates, and the system comes with a graphical interface and integrated computer for controlling the picking process.

Not all 96-well plates are created equally spaced. Embi Tec subscribes to this concept with the Morph<sup>™</sup> expandable plate. The Morph<sup>™</sup> plate is in a standard 96-well format, compatible with most thermal cyclers, but it can be expanded by pulling on the sides to facilitate applications where the 96well spacing differs, such as loading automated sequencers. The manufacturer claims that the system can reduce the loading time of a 96-lane sequencer to 10 minutes and that it reduces the repetitive

motion needed to load the gel.

The Transferman<sup>™</sup> NK, from Eppendorf, offers another innovation in micromanipulation technology. Using 'New Kinetics', which offer increased control of proportionality between joy-

Precise micromanipulation with Eppendorf's

stick and capillary movement, the system is designed to combine precise mechanics and sensitive electronics. Coarse and fine modes of manipulation are available.

Applications include intracytoplasmic sperm injection, embryonic stem cell transfer, microinjection and microdissection. The Transferman NK is adaptable to commonly used inverted microscopes.

Notes compiled by Michael Ronemus

For more information, call:

Silicon Genetics +1-650-591-4459 • Scanalytics, Inc. +1-703-208-2230 • PREMIER Biosoft International +1-650-856-2703 and +33-1-45-58-10-94 • Ultra-Lum, Inc. +1-562-529-5959 • GeneMachines +1-650-508-1644 • Embi Tec +1-858-453-8655 • Eppendorf +49-40-5-38-01-0



Differential gene expression in a 1,200 patient

cancer study visualized by GeneSpring<sup>™</sup> 2.1 from

Rotisserie-style bacterial colonies with the Gel-2-Well™ from GeneMachines.