



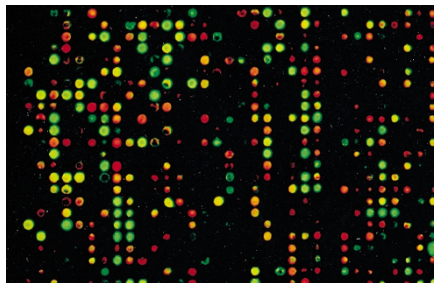
## Microarrays



### High-performance microarrayer

GeneMachines' OmniGrid Accent benchtop microarrayer prints from three-microtiter plates onto a 50-slide capacity platform and supports a print head that can hold up to 48 pins. It produces quality arrays by printing with optimal accuracy and precision, with center-to-center spot distances adjustable in 2.5-micron increments. Easy-to-use software allows users the ability to control and customize sample tracking, array formats, pin configurations, and wash protocols that include any user-defined combination of sonication, water/fluid wash with peristaltic pump, and vacuum dry.

<http://www.genemachines.com>



### Microarray kit

NEN TSA Microarray Labeling and Detection Kits from PerkinElmer Life Sciences allow researchers to use as little as 0.5–1.0 µg total RNA starting sample—a 100 to 200-fold decrease compared to conventional cDNA labeling protocols—and allows differential gene expression analysis on minute samples such as tissue biopsies. They allow two-color fluorescent hybridization on the same slide, whether researchers select from PerkinElmer's extensive microarray slide offering or use one of their own. Dual probe hybridization ensures highly accurate ratiometric comparison of two RNA populations. Fully QC-tested, the kits provide researchers with all key reagents needed for differential gene expression analysis.

<http://www.perkinelmer.com>

## Centrifugation



### Refrigerated microcentrifuge

The Eppendorf 5415R centrifuge has a maximum rotational speed of 13,200 rpm (16,110 x g). Temperature is adjustable from 0 to 40°C, and samples can be kept at exactly 4°C even at maximum speed. Further features include self-explaining dials, foil keys, and a digital display. A simple press on the speed dial switches the display from rpm to rcf values, avoiding time-consuming conversions, and the unique motorized safety lid latch closes the centrifuge automatically.

<http://www.eppendorf.com>



### High-capacity centrifuge

The Jouan KR 4.22 is a programmable centrifuge offering high throughput (18 x deep well microplates at over 5,000 x g; 6 x 1 L bottles at 7,301 x g; 12 x quad blood bags at 6,504 x g; or 42 x 50 ml conical tubes at 7,301 x g). Controlled refrigeration maintains 4°C at full speed, and microprocessor calculation and control of the total applied centrifugal force (integral) allows exact reproducibility of results. Centrifuge data can be collected and documented for GMP at a remote personal computer or laboratory network.

<http://www.jouaninc.com>



### Versatile centrifuge

Philip Harris Scientific's Sigma 2-5 centrifuge accepts a wide range of test tubes, universals, and microplates, and has a maximum speed of 3,900 rpm (2,310 x g). It can accommodate 4 x 100 ml or 6 x microplates, and the four place swing-out rotor can accommodate 16 x 15 ml, 16 x 7 ml vacutainers and 4 x universal tubes. In addition to the standard sealed bucket, a sealed bucket is available for use with 15 ml and 50 ml falcon tubes. Run duration is controlled via timer, and there is also a "soft stop" to avoid resuspension of the pellet. A brushless motor ensures low noise even at top speed.

<http://www.phscientific.co.uk>



### Rat microarray

Incyte Genomic's new Rat Foundation 1 microarray, *Rattus norvegicus*, is a broad-based microarray designed to assay the expression of genes from the Sprague Dawley Rat. It is constructed with non-redundant genes that provide detailed data that allow scientists to monitor expression patterns of over 9,800 Rat genes in a single experiment.

<http://www.incyte.com>

