



Genomics & proteomics



SNP genotyping

Orchid BioSciences' (Princeton, NJ) SNPstream 25K is a complete system for industrial-scale single-nucleotide polymorphism (SNP) scoring. SNPstream 25K incorporates the accuracy, robustness, and cost effectiveness of Orchid's proprietary SNP-IT single-base primer extension technology in a fully automated, high-throughput assay platform that can analyze as many as 25,000 SNPs per day. The SNPstream system includes easy-to-use SNP-IT-based genotyping kits and associated software.

<http://www.orchid.com>

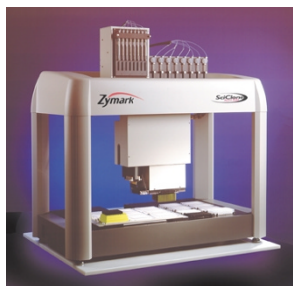


Genomic sample prep

Montage Genomics Kits from Millipore (Bedford, MA) provide all the necessary reagents and disposable materials needed to clean up DNA preps and provide high-quality DNA suitable for the most sensitive research applications. The 96-well Plasmid Miniprep and PCR Cleanup kits use simple protocols that recover plasmid DNA in 50% less time than traditional methods, which require lengthy bind-and-elute protocols and extra centrifugation steps. The kits are ideal for use with a range of automated liquid-handling systems.

<http://www.millipore.com>

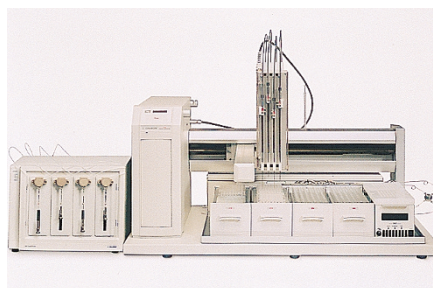
Liquid handling



Advanced workstation

Zymark's (Hopkinton, MA) SciClone ALH (advanced liquid-handling) Workstation is a simple-to-use instrument combining several separate devices: it features eight-channel independent Z-axis probes (Z-8), interchangeable 96 and 384 arrays, a compact 20-position deck, bulk dispensing capabilities, and a unique design offering effortless integration with other devices from all four sides of the system. The Z-8 probes permit individual access to test tubes and 96- or 384-well microtiter plates, allowing complete automation of inter- and intraplate formatting for applications such as hit picking, dilutions, and tube-to-microtiter plate transfers. The high-density arrays allow interplate formatting for plates with as many as 1,536 wells, which speeds whole-plate replication, formatting, and consolidation.

<http://www.zymark.com>



Multiprobe liquid handler

Gilson's (Middleton, WI) Quad-Z 215 liquid handler features four totally independent probes with variable spacing from 9 to 18 mm, advanced independent liquid-level detection on each of the four probes, and a bed capacity of as many as 12 microplates. The Quad-Z accommodates all existing Gilson racks, and the optional 849 Multiple Injection Module enables fast, automated online injection onto parallel high-performance liquid chromatographic (HPLC) systems.

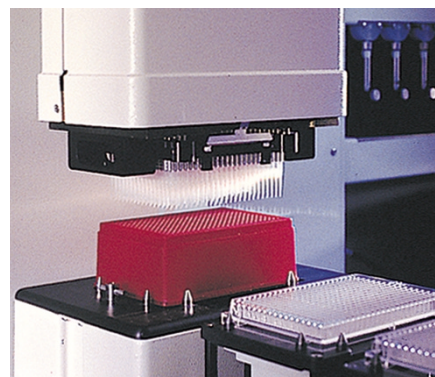
<http://www.gilson.com>



HTS system

Matrix Technologies (Hudson, NH) recently introduced the PlateMate Plus, a high-throughput screening system with interchangeable pipetting heads. Each platform works with 96-, 384-, or 1,536-well plates using either a 96- or 384-tip configured head for liquid processing. Applications include reagent addition, mother/daughter plate replication, plate pooling, serial dilutions, and microplate reformatting. The PlateMate Plus is available with removable front-loading universal stackers and Windows-based software.

<http://www.matrixtechcorp.com>



High-density pipettor

The Biomek FX liquid-handling system from Beckman Coulter (Fullerton, CA) has a new 384-channel disposable-tip pipetting head. With a capacity of 1–30 µl, the pipettor delivers precise liquid transfers in the 384-well plate format. Using the Biomek's available dual-pipetting arms and eight-channel variable span pipettor, the system can now handle transfers from any format to any format, from tubes all the way up to 1,536-well plates.

<http://www.beckmancoulter.com>