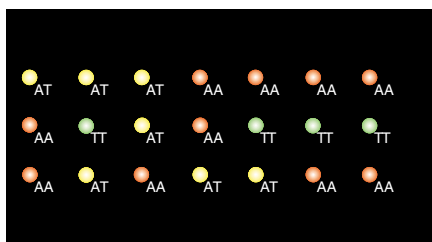




High-throughput screening



SNP analysis

Intergen's Amplifluor SNPs Genotyping System is a fast, simple, and reliable method for genotyping single nucleotide polymorphisms. It employs an exclusive process based on multiplex allele-specific PCR using two fluorescently labeled Amplifluor primers to distinguish heterozygous from homozygous alleles. Discrimination of alleles in a single closed tube is achieved with a pair of allele-specific primers having different tail sequences. Depending on the genotype of the sample, a mixed signal of fluorescein and sulforhodamine fluorescence is observed for a heterozygote, whereas a single signal (either fluorescein or sulforhodamine) is observed for a homozygote. Systems are available for both assay development (100 reactions) and for high-throughput screening (500 reactions).

<http://www.intergen.com>



Coated microplates

CellScreen coated microplates from Pierce Chemical are designed specifically for cell-based assays. They enable firm attachment and efficient growth of cells for applications such as reporter assays, receptor-binding assays, cytotoxicity assays, apoptosis assays, and cell proliferation assays. Plates are available with poly-D-lysine, collagen I, and poly-L-lysine coatings in 96- and 384-well formats and in various colors. CellScreen plates are manufactured using high-quality raw materials and treated with a predetermined irradiation dose, which ensures consistency and suitability for cell-based assays.

<http://www.piercenet.com>

Liquid handling

The AQUAmax 1,536 Dispenser from Molecular Devices offers researchers a compact, economical solution for their dispensing needs, while helping them to accelerate assay miniaturization. It enables researchers to use a smaller amount of costly reagents, in volumes of 0.5 μ l to 10 μ l, which can reduce assay development expense. The system precisely dispenses reagent quickly and consistently across the microplate, typically in less than 30 s per plate. Windows-compatible software is included, allowing the user to customize individualized protocols and program the system to accommodate multiple variations of 1,536-well microplates.

<http://www.moleculardevices.com>



Seal of approval

The Super Sealer from Matrix Technologies is ideal for high-throughput screening facilities: it seals all brands of polypropylene plates, tube racks, and blocks. Its completely automatic operation securely seals cap mats with no manual involvement, and it does not require adjustment even when switching between various types and brands of labware. There are no buttons or switches; simply close the drawer to initiate the sealing process.

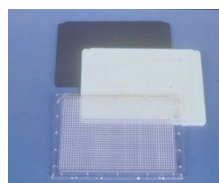
<http://www.matrixtechcorp.com>



UHTS workstation

Zymark's High Density Transfer Station Module expands the functions of the Allegro ultrahigh-throughput system to include 1,536 capability. It uses Zymark's SciClone Liquid Handling Workstation and Presto AutoStack plate stacker to provide liquid-handling and microplate manipulation capabilities that meet the demands of both the compound library and UHTS screening. The Transfer Station can simultaneously load and unload disposables and adapts to a wide variety of applications, including automatic exchange of pipetting arrays from disposable tips or cannulas, high-speed reformatting from 96 or 384 up to 1,536, and high-density homogeneous assays. The plate stacker's large storage capacity permits unattended operation, and its innovative vertical tray arrangement allows for a compact footprint.

<http://www.zymark.com>



HTS plates

NUNC 1,536 Well Plates are available in a variety of surfaces and colors for flexibility in assay development and ultrahigh-throughput screening applications. Occupying a standard 96-well plate footprint, and featuring a working volume up to 10 μ l and a height of 7.4 mm to accommodate bar-code labeling, the plates are specifically designed for robotics and automation. A product insert included in each case provides parameters necessary for programming liquid-handling and detection systems.

<http://www.nalgenunc.com>