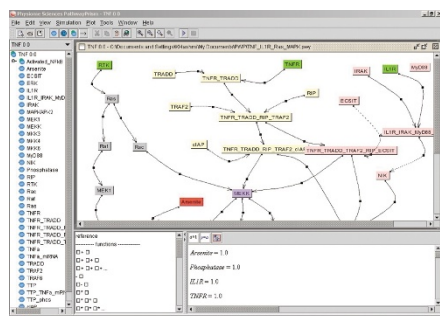


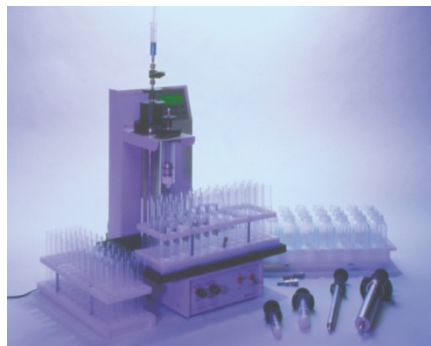
Drug discovery



Drug simulation platform

PathwayPrism, from Physiome Sciences, combines sophisticated software with simulation technology to map, analyze, and simulate cellular and metabolic pathway interactions. By integrating data that describe molecular interactions, PathwayPrism identifies and validates drug targets, facilitates evaluation of drug actions on disease mechanisms, performs parameter estimation, and rapidly predicts various outcomes resulting from pathway perturbations.

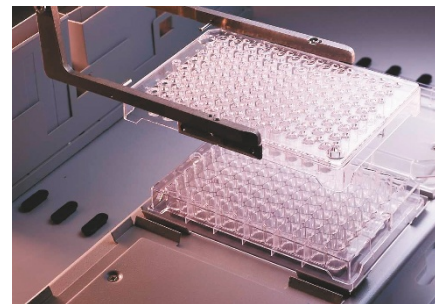
<http://www.physiome.com>



Purification system

Biotage's Horizon Pioneer system uses the company's exclusive FLASH chromatography technology to accelerate and enhance purification for drug discovery. The Pioneer generates faster flow rates, improved peak resolution, and increased sample loads compared with traditional solvent reservoir-based systems. It is compact and portable, and can easily be upgraded to a full Horizon HPFC system by adding fraction collection, UV detection, or both.

<http://www.biotage.com>



ADME screening

Millipore's MultiScreen Caco-2 Assay System is designed to perform *in vitro* Caco-2 drug transport assays. Validated and quality control-released with Caco-2 cell lines in 10- and 21-day cultures for added user confidence, the system's active drug screening results correlate with 24-well systems and meet US FDA values for known compounds. The system also includes the necessary growth plates, feeding tray, and transport analysis plate to complete growth through analysis in one plate.

<http://www.millipore.com>

Assay development



ERK1/2 assay

BioSource International's ERK1/2 [pTpY185/187] ELISA quantitates activated ERK1/2 protein levels in 4 hours. Kits provide all reagents required to run the assay, including a 96-well plate that permits simultaneous analysis of up to 80 samples. The strip-well plate format allows for smaller sample quantity analysis. Kits are suitable for human samples and epitope homology predicts mouse and rat cross-reactivity.

<http://www.biosource.com>



Assays for drug discovery

The MMP-12 Assay System from BIOMOL Research Laboratories offers either colorimetric or fluorogenic 96-well assay formats for the high-throughput screening of inhibitors of matrix metalloproteinase-12, a potential therapeutic target. The colorimetric assay uses a thiopeptide as the substrate, and the fluorogenic assay uses the quenched fluorescent peptide OmniMMP substrate. The kit includes recombinant enzyme, substrate, assay buffer, a prototypic control inhibitor, and a detailed protocol.

<http://www.biomol.com>



Personal cell monitoring

Guava Technologies' Personal Cell Analysis (PCA) system consists of a compact, automated analyzer unit, laptop computer control, three software programs to analyze and archive data, and optimized reagents to streamline cell monitoring and screening. Smaller sample volumes and fewer cells required mean faster assays than conventional methods, and minimal user training is required. The PCA system is expandable, and assays for cell counting and viability, protein expression, and apoptosis are available.

<http://www.guavatechnologies.com>