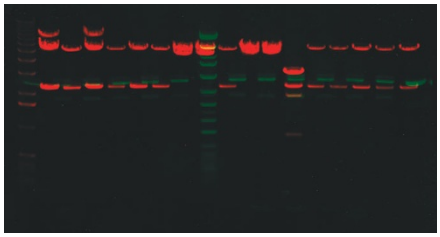
Software

Multiplexed imaging



An upgrade to Syngene's GeneSnap software allows users to acquire and automatically overlay up to three simultaneous gel or blot images, avoiding the need to manually compare separate images. GeneSnap Version 6 is ideal for chemiluminescent samples with colorimetric markers, as well as analyzing fluorescent stains of contrasting colors—for example, red, blue and green—on the same gel. Each individual image can be captured using different lighting or filters, and then combined to create a single clear image.
http://www.syngene.com/

Image analysis

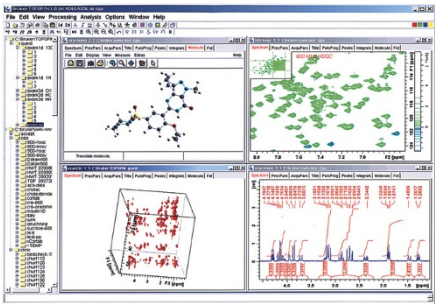
Proteomweaver 2.1, from Definiens, enables the analysis of two-dimensional (2-D) gel electrophoresis images, even for large volume analyses. Designed to handle the analysis of multiple samples run within the same gel, the latest version increases functionality and automation for more accurate and efficient analysis and evaluation of 2-D gel images. Proteomweaver 2.1 analyzes, searches and validates protein expression from all 2-D gel electrophoresis techniques, standard staining methods as well as multi-fluorescence gels. It also includes a quality assurance statistics feature that calculates minimum significant regulation factors from a pair of replica gels, which is useful for judging and optimizing gel quality.
http://www.definiens.com/

Document management

NuGenesis Technologies' Application Control Module securely manages Microsoft Excel, Word and PowerPoint files, giving companies conducting R&D a strategy for system-wide management of new and existing electronic documents. ACM's features include automated file capture and storage, secure user authentication, and viewing and publishing files in report summaries or project reports. ACM is used in conjunction with the NuGenesis Scientific Data Management System.
http://www.nugenesis.com/

NMR software

TopSpin is a software solution for the acquisition, processing and analysis of nuclear magnetic resonance data. Operating under both Windows and Linux environments and incorporating common object request broker architecture (CORBA) technology, TopSpin allows multiple NMR instruments to be linked over a network for remote operation and monitoring. Multiple, adjustable windows enable the simultaneous presentation and comparison of several data sets. Drag-and-drop operations for data selection and an interactive editor for data output reduce the learning curve for new users.



TopSpin can be integrated with Bruker BioSpin's SampleTrack laboratory management program.
http://www.bruker-biospin.com/

Assays

High-throughput tips

Filtered Disposable Automated Research Tips (Filtered DARTs) are available from Matrix Technologies for use on its PlateMate 2x2 and PlateMate*Plus* automated systems. They are available in 96- and 384-channel format and are quality tested for straightness to assure accuracy and precision. All DARTs come preloaded in disposable magazines for ease, efficiency and consistency, and are certified free of DNA, DNase, RNase, cytotoxins and endotoxins.
http://www.matrixtechcorp.com/

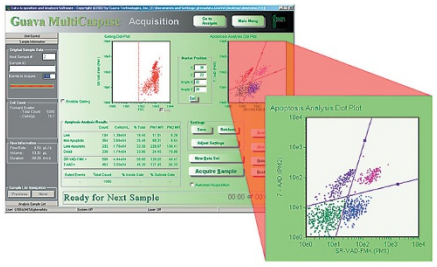
Kinase detection

Active Motif's Fast Activated Cell-based ELISA (FACE) kits are available in a more sensitive chemiluminescent format. They provide an efficient method to monitor protein phosphorylation directly in the cell, eliminating the need for cell extracts, gels and radioactivity. FACE Kits require less than three hours of hands-on time. Kits for p38, JNK, AKT and ERK are available.
http://www.activemotif.com/

Enzyme degradation assays

The TruPoint line of assay kits provide higher quality leads when conducting high-throughput drug screening. Products include Caspase kits for measuring caspase activity from apoptotic cell lysates and purified enzymes; Helicase assay kits for measuring helicase activity; and the TruPoint Labeling Service, which provides custom-made substrates created from peptide or oligonucleotide sequences provided by customers.
http://lifesciences.perkinelmer.com/

Profiling apoptosis



Guava Technologies' new assays allow users to easily gain a complete and highly quantitative profile of the stages of apoptosis. Designed to run on Guava's patented Guava PCA and PCA-96 cell analysis systems, they include assays for membrane changes (annexin V), activation of caspase enzymes and DNA fragmentation (TUNEL). The assays require only minimal numbers of cells, and include optimized reagent kits and easy-to-use software, in addition to the instrument used to analyze the cell samples.
http://www.guavatechnologies.com/