

Liquid handling



Automation tips

Matrix Technologies introduces a new automation pipette tip. The 384 30-µl Extended Length D.A.R.Ts tip is designed for use with the PlateMate Plus, PlateMate 2 × 2, Apricot and Cybio automated pipetting systems. The new tip has the ability to reach the bottom of 384 deep well blocks and comes preloaded in rigid, disposable magazines. D.A.R.Ts are available nonsterile, sterile or with aerosol filters.

<http://www.matrixtechcorp.com/>

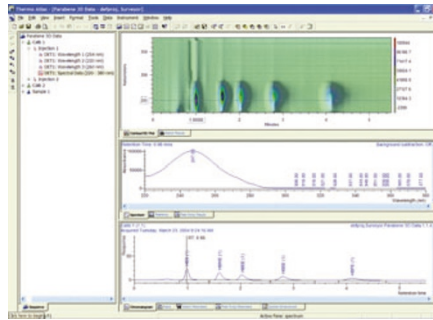


Pressure discharge system

HyClone's latest product in its HyClone BioProcess Container line is a discharge system using pressure rather than a peristaltic pump. Designed for chromatography and filling applications where pulsing is not acceptable, the system is available in unit volumes from 20 to 1,000 liters.

<http://www.hyclone.com/>

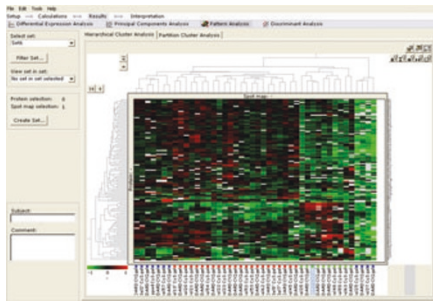
Software



Chromatography data system

Thermo Electron has released version 8.0 of the Atlas chromatography data system, providing enhancements in data acquisition and integration with laboratory information management systems (LIMS) for greater lab productivity. Atlas 8.0 improves instrument control architecture to enhance network resilience, and ensures secure, robust communication between the instrument and Atlas software. Atlas provides a single solution that integrates data streams from multiple instruments manufactured by multiple vendors, and integrates with LIMS that typically store summary results for each analysis.

<http://www.thermo.com/cds>



Data analysis tool

GE Healthcare's DeCyder Extended Data Analysis (EDA) version 1.0 is an advanced software solution for proteomics research that enables combined analysis of different data sets and facilitates biological interpretation of results through public and local database retrieval. EDA adds value to two-dimensional differential in-gel electrophoresis (2-D DIGE) experiments by enhancing the analytical capabilities of the new DeCyder v6.5 DIGE image analysis software. DeCyder EDA uses multivariate analysis and sophisticated clustering methods to uncover patterns

in protein expression data derived from 2-D DIGE experiments. The software employs a 'data set' as the basis for 2-D gel analysis. Defined as a group of spot maps with matched protein spots, each set of data can be displayed in different ways depending on the goals of the experiment.

<http://www.gehealthcare.com/>

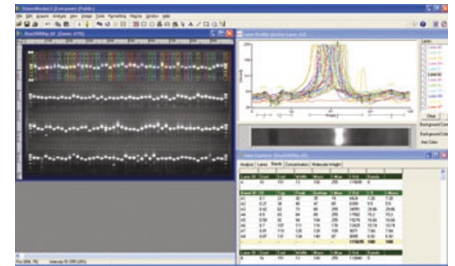


Image analysis

VisionWorksLS, from UVP, enables users to quickly and easily capture and analyze images and generate reports of fluorescently labeled or colorimetric stained gels, plates and other samples. For chemiluminescence imaging, Western, northern and Southern blot images can be acquired without using ³²P. VisionWorks is configured to capture or open 8-, 12- or 16-bit images with UVP's BioImaging Systems. Advanced features include enhanced image acquisition with dynamic and sequential integration, and digital video playback.

<http://www.uvp.com/>

Online microarray design

A new version of Agilent Technologies' Web-based DNA microarray design tool enables the microarray industry's first collaboration and sharing capabilities wherever there is an Internet connection. The software package, eArray 3.5, provides an easy-to-use, secure means for sharing microarray design information among collaborators or with members of research consortia. In addition to existing gene expression content, annotation information and probe sequences, eArray 3.5 provides access to Agilent's catalog array comparative genomic hybridization (aCGH) probes, useful for designing microarray experiments to detect chromosome loss or duplication in cancer studies. The online tool has also been expanded to allow researchers to upload their own aCGH probes.

<http://earray.chem.agilent.com/earray>