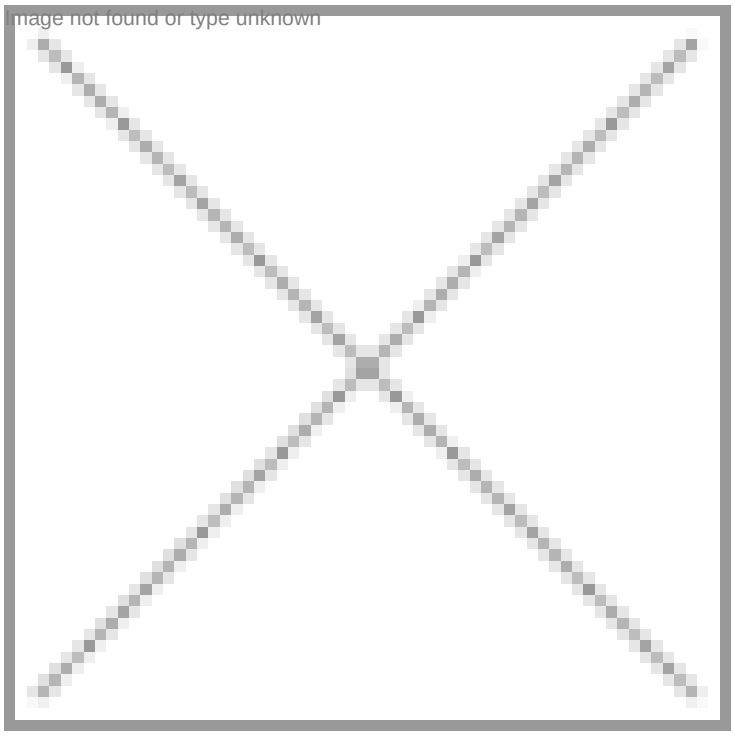
BioSpectrum the business of Bio & Health Sciences

Systat Software

06 September 2005 | News



Systat Software's offerings for Bio-Pharma segment

Systat Software Inc (SSI), a subsidiary of Cranes Software International Ltd (CSIL), has launched a basket of products for the scientific community in the Bio-Pharma segment. The entire product suite is tailored to meet specific requirements of the scientists to compress the time intensive process of data analysis and presentation, thus enhancing their productivity.

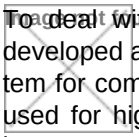
SYSTAT provides analytical power with advanced statistics, helps simulates tasks with Monte Carlo features and provides data visualization with more graphing capabilities. SYSTAT with its robust and advanced algorithms is highly recommended by leading biostatisticians. SigmaStat provides expert guidance in analyzing research work. The user-friendly features make analysis fast and easy for the scientific community. SigmaPlot with more than 80 2-D and 3-D technical graph types and a robust regression wizard offers a compelling choice to researchers for publishing their work. The add-on modules like Enzyme Kinetics, Ligand Binding and Electrophysiology make it of special interest to the Bio-Pharma community. SigmaScan is a powerful image analysis tool for a wide range of applications. It quickly converts images to useful data with powerful measurement techniques and is useful for counting, measuring and analyzing digital images.

The other products include TableCurve 2D, TableCurve 3D and PeakFit. While TableCurve 2D quickly finds the best equations that describe the data, accurately extrapolates and precisely models exotic data sets, and fits user defined equations with ease, TableCurve 3D finds optimum equations to describe empirical data, helps graphically review surface fit results and eliminate tedious data analysis chores. PeakFit separates overlapping peaks by statistically fitting numerous peak functions to one data set and helps analyze even the most obscure patterns in the data. PeakFit with 83 built-in nonlinear

functions is the automatic choice for analyzing data for spectroscopy, chromatography and electrophoresis.

For more details, contact: stat@cranessoftware.com

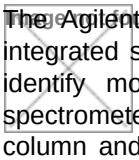
Mascon launches ISAP



To deal with the vast quantities of sequence data being generated by the various sequencing projects, Mascon has developed an automated, advanced system for comprehensive sequence analysis and annotation for novel sequences and genomes as well. This approach can be used for high-throughput analysis of sequence data as they are generated and as an application emphasizing regions of interest to researchers to identify genes responsible for the disease. The "Intense Sequence Annotation Pipeline" (ISAP) is unique in terms of functional annotation it provides to a novel sequence. The pipeline consists of five major components: raw data gathering and archival; quality assessment and sequence editing; sequence annotation; novelty assessment and description or submission to local and public databases. The ISAP generates a printable report of each individual analysis and a comprehensive report of all the analysis done for individual sequence as well. The tool can help build the required gene model, which can be authenticated using the ISAP mapping feature.

For further details, contact: g.vibhav@mascon.co.in

Agilent's protein HPLC-Chip



The Agilent HPLC-Chip/MS protein identification solution combines Agilent's advanced tools for protein analysis into an integrated solution for analyzing complex mixtures of proteolytically digested proteins. This solution can quickly and easily identify more proteins. This protein HPLC-Chip incorporates traditional nanoflow liquid chromatograph and mass spectrometer components: enrichment column; analytical column; nanoelectrospray tip; and all connections between the column and the spray tip into a reusable, microfludic polyimide chip the size of a microscope slide. This eliminates post column dead volumes and minimizes sample path length and peak dispersion and results in better-resolved peptide chromatographic peaks. The Chip cube MS interface automatically loads the HPLC chip and the design configuration guarantees that the electrospray tip is in the optimal position for mass analysis when the chip is inserted.

For further details, contact: cag_India@agilent.com

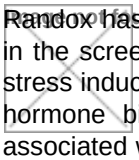
Atlas Copco launches GX rotary screw compressor

Atlas Copco launched Little Master, a GX rotary screw compressor in the range of 3-15 HP. The compressors currently available in the country in the smaller capacity range are based on the sunset piston technology. This means high noise, dullard looks, high power consumption and heavy maintenance costs. Realizing this, Atlas Copco launched Little Master to bring the benefits of screw technology to the small industry.

State-of-the-art screw technology enables a compact design and aesthetic look. Energy saving controls coupled with low energy consumption and high efficiency of rotary screw means Little Master gives "more air for less power". Little Master has less moving parts and minimal wear and tear. Service points are grouped together and are easily accessible, making it maintenance friendly. Low power consumption and low maintenance together mean low life cycle cost. Rotary screw technology enables 100 percent continuous duty operation without any capacity drop resulting in high productivity.

For details, contact: littlemaster@in.atlascopco.com

Randox's protein biochip



Randox has announced the release of a protein biochip for measurement of cytokines and hormones in plasma that can aid in the screening and diagnosis of chronic psychosocial stress. Plasma samples from patients on long-term sick leave for a stress induced affective disorder, people at risk of professional burnout and healthy controls were analyzed by a cytokine and hormone biochips using the evidence analyzer in the collaborative study. The markers identified are independently associated with a significant risk of being ill from stress. There are currently no reliable markers of pathological stress related conditions and this new protein biochip offers the first panel of markers to aid in the screening and diagnosis of chronic psychosocial stress.

Workplace stress is now the fastest growing cause of absence from work. Stress can lead to illness and has been implicated in the development of many conditions including depression, heart disease and nervous breakdown and therefore can have both wider health and economic implications. The ability to screen individuals for psychosocial stress using a protein biochip will be of value to both insurance companies and governments in assessing employees and populations while the potential to

monitor patients on therapy will be of value to clinicians.

For details, contact: dipesh.vincwhi@randox.com

WAB's DYNO-MILL MULTI LAB

DYNO-MILL MULTI LAB, a laboratory agitator bead mill with grinding containers from 0.15 to 1.4 liter, with KD and ECM technology from Willy A Bachofen (WAB) has applications in research, development, cell disruption and small scale for dispersion and wet grinding. Many industries such as agrochemicals, microelectronics, food, microbiology and biochemistry and pharmaceutical and cosmetics are using this. MULTI LAB has application for both discontinuous operation with interchangeable grinding containers of 0.15 and 0.3 liter and continuous operation with grinding containers of 0.3, 0.6 and 1.4 liter. The flexibility of the machine and the availability of contacted parts in so many different materials make the MULTI LAB an ideal laboratory mill to fulfil all requirements. The capacities reached in MULTI LAB tests may be scaled up to the production mills.

Milltech Engineering Pvt Ltd based at Mumbai has been marketing this product in India.

For details, contact: Sebastian@milltechengg.com

Cambrex introduces EndoTrap(R) System

Cambrex Bio Science Walkersville now offers EndoTrap System, a new affinity matrix for efficient removal of bacterial endotoxin from aqueous solutions. EndoTrap consists of a very high-affinity ligand material derived from bacteriophages, linked to sepharose beads, to create an easy-to-use flow through column with maximum endotoxin removal capability.

Currently available endotoxin removal methods frequently suffer from excessive loss of the protein during the process, making purification an expensive proposition. EndoTrap efficiently binds to endotoxin even at very low concentrations and minimizes binding of the target protein due to the high ligand specificity. Protein recovery in the range of 92-99 percent is possible in most cases. EndoTrap is ideal for removal of endotoxin in cell culture supernatants, in-process material, and protein products. It is available in two versions - EndoTrap Blue and EndoTrap Red. Both versions have similar capabilities for endotoxin removal and selection is based on the ionic strength and pH range of the sample solution.

For details contact: biosales@cambrexindia.com