

Product News

TLC documentation system



UVIchrom thin layer chromatography documentation system, a new low cost system specially designed for documentation and basic analysis of TLC plates has been developed by **UVItec Limited**. **UVIchrom** incorporates a darkroom unit

optimised for efficient overhead illumination (epi) of thin layer chromatography plates, including plates in excess of 20×20 cm. The darkroom cabinet incorporates a choice of wavelength 15 Watt filtered ultraviolet tubes positioned close to the sample for maximum illumination efficiency. White light illumination is also built into the hood. Images from the high sensitivity CCD camera are viewed on the black and white monitor and printed by the thermal printer (Mitsubishi P-91). The control box includes camera integration for feint images and a disk drive to save TIFF files suitable for PC or MAC. Software supplied with every **UVIchrom** system allows image manipulation, enhancement and annotation together with the recording of GLP information plus automatic calculation of Rf values.

Circle number 1 on reader response card.

Fast, efficient gene transfer



The **Easyject Optima**, from **Flowgen**, is an innovative electroporation system which boasts a wide range of user friendly features including "Smart Card" software upgrades, easy programming by cell type or parameter value and full pre and post pulse monitoring. This cost effective system can be used for electroporation of all cell types including mammalian, embryo, plant, bacterial and yeast cells. The unique Smart Card system enables the system to be upgraded by the user as database information expands or where alternative technologies become more popular.

Circle number 2 on reader response card.

Compound synthesis



STEM has introduced a range of affordable **Reacto-Stations™** designed to help chemists and biotechnologists to easily synthesise compounds of interest. Applications include the fast expanding fields of combinatorial chemistry, organic synthesis, catalyst development and process optimization. Up to 50 reactions can be performed with simultaneous heating and stirring. Heating, chilling and stirring cycles can be controlled by external software as part of a fully automated system. To minimise sample loss, reflux modules can be fitted on top of the reaction block.

Circle number 3 on reader response card.

In Brief

RNA-protein interactions

RNA-protein interactions play an important role in many biological processes including RNA processing, translation and RNA virus infection. The **RNA-Protein Hybrid Hunter™** system from **Invitrogen** is the first commercially available system specifically designed to allow *in vivo* detection and analysis of RNA-protein interactions. It is possible to take a known RNA (the bait) and search for interactions with known proteins or a library of proteins (the prey).

Circle number 4 on reader response card.

Adhesive seals

Advanced Biotechnologies' Gas

Permeable Adhesive Seals are made from transparent perforated tape coated on one side with a pressure-sensitive adhesive. The seal allows gaseous exchange, whilst prohibiting the entry or exit of larger particles such as bacteria. This renders them useful for the safe covering of bacterial cultures where aeration without cross contamination is required. Since it is possible to apply other adhesive seals and lids over the Gas Permeable seal, subsequent safe storage of cultures and sample is possible.

Circle number 5 on reader response card.

Detection of NT-4

NT-4 E_{max}™ ImmunoAssay system is a new addition to the Cell Signaling groupings from **Promega**. The system is designed for the sensitive and specific detection of neurotrophic factor-4 (NT-4). After overnight coating of a 96-well plate, the specific protein is detected using an antibody sandwich format. The system uses horseradish-peroxidase-conjugated secondary antibody for the final chromogenic detection of the bound neurotrophic factor. It can be used to quantitate NT-4 in tissue culture supernatants, plasma, serum, urine and tissue extracts in the range 4.7–300 pg/ml.

Circle number 6 on reader response card.

New GEMINI software

TECAN's new **GEMINI V2** programming system is an update of the easy-to-use software for controlling Robotic Sample Processors. **GEMINI** will programme any plate-orientated pipetting procedures. For example, liquid handling is set up to dispense, wash tips, pick up or drop disposable tips and dilute samples. Microplates can be replicated, and samples mixed at every position. Applications such as liquid-liquid extraction, enzyme kinetics, hit picking and high throughput screening can all be easily programmed using **GEMINI V2**.

Circle number 7 on reader response card.