



Oscillating Diamond Knife

The Diatome UltraSonic Oscillating Diamond Knife produces ultrathin sections free from compression. The patented knife overcomes the problems of compression even in room temperature sections, which can be as much as 20 percent with conventional sectioners.

Diatome U.S. For information 215-412-8390 www.emsdiasum.com

PCR Reagents

The TaqMan Gene Expression Master Mix and TaqMan Genotyping Master Mix reagents are formulated for exceptional sensitivity and reproducibility for both routine and challenging real-time polymerase chain reaction (PCR) applications. When used as part of TaqMan-based quantitative real-time PCR protocols, the TaqMan Gene Expression Master Mix helps researchers to detect low expressed genes, perform duplex PCR of a target and reference gene, and distinguish between similar DNA or RNA sequences. When included as part of TaqMan-based single nucleotide polymorphism genotyping protocols, the TaqMan Genotyping Master Mix generates high-quality genotyping data with distinct, well-separated clusters of alleles.

Applied Biosystems For information
800-327-3002 www.appliedbiosystems.com/taqman

Custom DNA–Peptide Conjugates

A new synthesis service for custom DNA–peptide conjugates features the native chemical ligation approach involving linking a cysteine in one moiety (either peptide or DNA) to an activated thioester terminus in the others. Customers can provide their own DNA or peptide for conjugation or Activotec can synthesize the DNA and peptide to be conjugated.

Activotec For information +44 1223 260008
www.activotec.com

Aequorin Option for Screening System

A new aequorin option for the FLIPR Tetra fluorometric imaging plate reader includes a uniquely designed camera that can detect both fluorescence and aequorin luminescence. It also includes a cell suspension option. Both the camera and cell suspension option are opti-

mized to enable researchers to expand their calcium mobilization assays to include aequorin luminescence measurements. The new option enables cell suspension assays, thereby minimizing cell preparation time and reducing assay costs.

Molecular Devices For information
408-747-3514 www.moleculardevices.com

Methyltransferase Assay

SAM (S-Adenosylmethionine) Methyltransferase Assay is a continuous enzyme-coupled assay for the measurement of methyltransferase activity. The assay can be used for a large family of enzymes that use SAM as a substrate. The assay does not require radioactively labeled samples or endpoint measurement with ultraviolet detection.

Genotech/G-Biosciences For information
800-628-7730 www.GBiosciences.com

Single-Stranded DNA

CirLigase ssDNA Ligase efficiently catalyzes the circularization of single-stranded DNA (ssDNA) of greater than 30 bases without the need for oligonucleotide “bridges.” Virtually no linear or circular concatamers are produced. This ligase is suitable for preparing circular ssDNA for rolling circle replication or rolling circle transcription assays.

Epicentre Biotechnologies For information
800-284-8474 www.epibio.com/CirLigase.asp

Long Wavelength UV Plates

Krystal-UV plates are a range of clear-bottomed microplates designed for performance in the long wavelength ultraviolet (UV) range. They are available in 24-well, 96-well, and 384-well formats and in black or white polystyrene. They offer excellent photometric performance down to 325 nm. Wavelengths below 350 nm are par-

ticularly useful for a variety of fluorescent assays such as HNK-1 and thioguanine, as well as many absorbance assays, including vitamin A, retinol and retinyl acetate, caspase, acid phosphatase, and hydroxyproline.

Porvair Sciences For information
+44 1932 240255 www.porvair-sciences.com

DLS Microplate Instrument

The HorizonDLS is a dynamic light scattering (DLS) instrument that features patented single mode fiber optical detection, dual attention technology, and independent temperature control of microplate and sample. The HorizonDLS delivers sensitivity on ultra-low sample volumes automatically from the entire plate or selected wells, with no user interaction required. After the prepared microplate is manually or robotically placed in the temperature-controlled instrument, intuitive software automatically makes the measurements according to the user-programmed acquisition sequence. The results are displayed in seconds. A complete size distribution of an entire microplate can be automatically accomplished in just minutes. The instrument's applications include screening of aggregates prior to protein crystallization, monitoring size and aggregation as a function of varying solution conditions, buffer optimization, and characterization and screening of biotherapeutics for self-association.

Viscotek Europe For information
+44 1344 467180 www.viscotek.com

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier.

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