

New Products

Stabilizer for ELISA



Product: TStabilizer for long-term storage of coated ELISA plates

Name & Manufacturer: Liquid Plate Sealer from CANDOR Bioscience.

Technology: Long-term stability – even under stress temperatures – is a critical requirement for immunoassay products. Quality of assay-components should be conserved even when storage and shipping conditions are not controllable. Otherwise unclear results can not be avoided. A solution for this demand is Liquid Plate Sealer, which demonstrates better performance than established products even in stress-tests in external labs. Liquid Plate Sealer replaces established reagents and enhances stability when plates are stored under moist conditions as well as when stored dry. CANDOR solutions are used in commercial kits for ELISAs, Western Blots, Protein Arrays or Lateral Flow Assays.

Advantages: Liquid Plate Sealer is ready-to-use and can be incorporated in standard coating procedures for ELISA plates. In addition, stability for coated ELISA plates for many years can be achieved. Stress-tests have shown better stability with Liquid Plate Sealer than with competitor products.

More Information: www.lowcross.de, info@candor-bioscience.de

Cup Sealing

Product: Capping option for cluster tubes.

Name & Manufacturer: ABgene SmartCap Mats from Thermo Fisher Scientific.

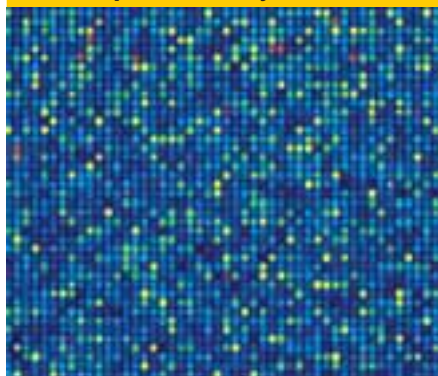
Technology: As scientists move to high-density sample storage, fast, secure capping has become important. The ability to seal 96 cluster tubes manually, at one time, with SmartCap Mats saves time whilst providing a strong seal. The Mats are applied by exerting light pressure onto the back-mat that the caps are supplied on.



Advantages: SmartCap Mats have a wide functioning temperature range and are the only non-pierced septum plug seals currently available that can be stored down to vapour phase liquid nitrogen. A further benefit is a reduced pierce force requirement. One third of the pierce force is required for the SmartCap Mat Septum Plugs compared to other products. This gives users the flexibility of single sample access when using robotic needles. Additionally, SmartCap Mats offer reduced vapour transmissions, ensuring minimal sample loss or excess moisture take-up. Chemical resistance is still at its highest with resistance to harsh chemicals including DMSO.

More Information: www.thermo.com/abgene

Gene Expression Arrays



Product: 4-plex eukaryotic gene expression analysis microarrays.

Name & Manufacturer: NimbleChip Multiplex Arrays from Roche NimbleGen.

Technology: Whole-genome designs are available in multiplex format for a broad range of species, including human, mouse, rat, *Saccharomyces cerevisiae*, *Schizosaccharomyces pombe*, *Arabidopsis thaliana*, *Caenorhabditis elegans*, and *Drosophila melanogaster*. You can also request custom gene expression arrays in the 4-plex format for any eukaryote with a well annotated genome.

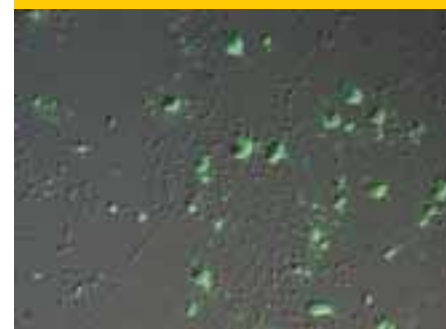
Advantages: The Multiplex Arrays enable you to simultaneously hybridize and analyze samples in four replicate arrays on a single slide to provide

a high-performance yet cost-effective approach to gene expression analysis. Roche NimbleGen's ability to make long oligonucleotide probes (60mer) in combination with high density sub-arrays of 72,000 probes each provides comprehensive coverage of entire genomes with multiple probes per gene. The averaging of the results from multiple probes (typically 3-7 probes per gene) provides improved statistical confidence and can reduce the impact of inconsistent probe behavior, ensuring high specificity, sensitivity, and reproducibility compared to platforms that offer only one to two probes per gene.

More Information:

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Cell Culture



Product: Complete live cell care.

Name & Manufacturer: BioStation CT from Nikon.

Technology: Nikon's commitment to Live Cell Care was originally founded on the TE2000PFS system, for time lapse recording, the C1si microscope, for spectral confocal applications, and the BioStation IM, a bench-top incubator. Recently it has been enhanced by the introduction of Controlled Light Exposure Microscopy (CLEM) and the LiveScan Swept Field Confocal (SFC) Microscope. CLEM allows time-lapse studies of protein interactions to be undertaken without fear of cell degradation or bleaching by dramatically reducing photobleaching and thereby enhancing cell survival. SFC reduces the inherent crosstalk and noise traditionally associated with live cell confocal imaging and minimises phototoxicity and photobleaching by allowing the microscope to scan rapidly for very short excitation durations.

Advantages: By combining the precise environmental control capabilities of a high-performance incubator with the optics needed for drift-free live-cell imaging, BioStation CT removes the need for culture dishes to be transported from one location to another for observation, and represents a new 'hands-free' approach to managing, observing and recording cells in culture.

More Information: www.nikoninstruments.eu