



Glass-Bottom Slide

Lower costs and flawless imaging make the new ibidi μ -Slide VI 0.5 Glass Bottom an interesting option for researchers who are working with glass-bottom slides or dishes for immunofluorescence assays, flow experiments, total

internal reflection fluorescence (TIRF) microscopy, or superresolution (e.g., PALM, STORM, or SIM) applications. This slide is ideally suited for applications using six channels in parallel. Experiments are cost-effective because they require only a small number of cells and a low volume of reagents. The cell seeding results in a homogeneous cell distribution over the channel surface, regardless of handling practices. Plus, fewer steps are needed in immunofluorescence assays because of the slide's all-in-one chamber, resulting in simplified protocols. Achieving flawless cell imaging in assays is also possible thanks to the low thickness variability of the coverslip glass (#1.5H = $170 \pm 5 \mu\text{m}$).

ibidi

For info: 844-276-6363
www.ibidi.com

Sample Preservation System

The DriBank System preserves, maintains, and organizes dozens of small ($\leq 3 \text{ g}$ or $50 \mu\text{L}$) laboratory biological samples at room temperature (20°C) for months without the need for electrical power, toxic fixatives, coatings, or matrices. It is a compact unit made of ruggedized materials that is environmentally sealed when closed, effectively separating the interior from outside conditions. Specimens are preserved within hours, using evaporative dehydration via powerful dessicants contained inside a unique replaceable and rechargeable cartridge. This patented, all-in-one solution accepts samples in a variety of media, including microscope slides, microcentrifuge tubes, cell culture dishes, swabs, and more. Its layout allows for easy cleaning and sterilization for reuse. DriBank can also be used to ship samples under ambient conditions, without the expense associated with refrigerants such as dry ice, and includes an external locking port that maintains chain-of-custody for critical specimens.

DriBank Labs

For info: 844-599-1472
www.driBanklabs.com

Histone H3 and H4 Multiplex Assays

EpiGentek offers a complete series of kits available for the quantification of methylation, acetylation, and phosphorylation

of H3 and H4 histones at all sites. Histones are primary protein components of eukaryotic chromatin and play a role in gene regulation. H3 and H4 histones have tails that protrude from the nucleosome and can be modified posttranslationally to alter the histones' interactions with DNA and nuclear proteins, leading to epigenetic changes that regulate many normal and disease-related processes. We offer the most comprehensive selection of histone-modification research products, to cover every step of your experiment workflow from upstream to downstream. Getting started is easy with H3 and H4 Multiplex Assays—you can screen and measure up to 21 different histone-H3 or 10 different histone-H4 modification patterns in a single ELISA-like kit.

EpiGentek

For info: 877-374-4368
www.epigentek.com

Multispecies Kit for Pharmacokinetic Studies

The new Gyrolab Generic PK Kit is optimized for use in automated, nanoliter-scale Gyrolab xP and Gyrolab xPlore systems, enabling quantification of human therapeutic antibodies. It is designed for use with several species of preclinical animal models, including mouse and cynomolgus monkey. While most immunoassays for pharmacokinetic (PK) applications can take up to a full day to get results, the Gyrolab Generic PK Kit generates results in just one hour. This generic kit reduces the need for researchers to develop assays using costly, analyte-specific reagents. The kit's broad dynamic range minimizes the need for dilutions and repeats that can introduce errors, enabling researchers to deliver high-quality results. Moreover, Gyrolab assays consume nanoliter volumes, providing major preclinical benefits by allowing serial sampling of fewer mice, thus generating better data for more analyses while using less material.

Gyros Protein Technologies

For info: +46-(0)-18-566-300
www.gyrosproteintechnologies.com

Thermal Cameras

FLIR Systems' high-speed, longwave thermal cameras—FLIR X6900sc SLS and FLIR X8500sc SLS—feature strained-layer superlattice (SLS) detectors filtered for longwave infrared. These detectors produce high frame rates, wide temperature ranges, and integration times more than 12-fold faster than their midwave counterparts. FLIR combined this advanced technology with popular features of high-speed visible cameras, such as remote triggering and precise synchronization, to produce high-performance cameras that can capture meaningful data for anything from aerospace research to composite materials testing. The FLIR X6900sc SLS captures full-frame 640×512 thermal images at 1,004 fps. The FLIR X8500sc SLS records up to 181 fps of full 1280×1024 high-definition thermal imagery. Both cameras feature the FLIR digital video recorder, which saves up to 36 s of data to on-camera RAM without dropping frames, and can measure temperatures up to $3,000^\circ\text{C}$.

FLIR Systems

For info: +32-(0)-3665-5100
www.flir.com/science

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