



Quick-Adjust Neuroscience Platform

Prior Scientific's V-Deck is an ultrastable platform for neuroscience and electrophysiology, offering you the versatility to produce optimal images from thin sections up to whole-animal samples—all

ensured through the availability of a wide range of height-adjustable, lockable platform posts. The V-Deck offers a large sample area, with an M6 × 25-mm breadboard that allows heating, cooling, perfusion, and incubation chambers, as well as micromanipulators, stereotaxic instruments, and other equipment, to be precisely mounted. Consequently, setting up microscopic imaging of an electrophysiology or neuroscience experiment to your exact specifications can be done rapidly and efficiently. Dovetail slides on the V-Deck enable quick, precise adjustment of your sample height. The entire V-Deck platform is compatible with almost any commercial vibration isolation table.

Prior Scientific

For info: +44-(0)-1223-881711
www.prior-scientific.co.uk

Real-Time PCR System

Forensic scientists who want to modernize their laboratories now have access to the Applied Biosystems QuantStudio 5 Real-Time PCR System for Human Identification (HID). The system is designed to deliver efficient performance with a smaller footprint and lower annual maintenance costs than previous systems. It uses HID Real-Time PCR Analysis Software v1.3, which enables data analysis with a virtual standard-curve feature, to minimize variation and reduce costs associated with using standards on every plate. The software also includes quantification and short tandem repeat (STR) setup features as well as data quality-review functionality, which integrate and streamline quantification and STR analysis. When combined with the Applied Biosystems Quantifier HP and Quantifier Trio DNA Quantification Kits, the entire solution offers a validated workflow that enables forensic labs to simultaneously acquire a quantitative and qualitative assessment of human DNA in their casework samples, to better determine downstream processing and successfully extract an STR profile.

Thermo Fisher Scientific

For info: 800-955-6288
www.thermofisher.com

RNA Methylation Analysis

Expand your understanding of RNA methylation with EpiGentek's complete suite of RNA methylation products. Recent data strongly suggest that m6A and 5-mC RNA methylation affects regulation of various biological processes such as RNA stability and mRNA translation, and that abnormal RNA methylation contributes to the etiology of human diseases. From directly quantifying the "fifth RNA base," N6-methyladenosine (m6A), to measuring global 5-methylcytosine (5-mC) RNA and more, our kits make it easy for you to determine how RNA methylation influences your research projects. We offer one m6A RNA kit [EpiQuik m6A RNA Methylation Quantification Kit (Colorimetric)] and three 5-mC RNA kits:

MethylFlash 5-mC RNA Methylation ELISA Easy Kit (Fluorometric); EpiNext 5-mC RNA Bisulfite-Seq Easy Kit (Illumina); and Methylamp RNA Bisulfite Conversion Kit.

EpiGentek

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

Proximity Ligation Assay

Rely on Duolink PLA (proximity ligation assay) to amplify your protein signals by 1,000x and allow you to visually detect proteins and their interactions, all within a native cell. Our straightforward method provides visual protein interactions (both stable and transient); endogenous protein detection (no overexpression or genetic manipulation); high specificity (use of two antibodies/probes eliminates false positives); single-molecule sensitivity (rolling circle amplification makes proteins visible); and publication-ready results [compare image results from indirect methods (coimmunoprecipitation/Western blot)], with no special equipment needed—only standard immunofluorescence methods are used. Uncover the opportunities in your protein detection research with amplified performance and visual results.

Sigma Aldrich

For info: 800-325-3010
www.sigmaaldrich.com

Automated Sample Prep

QIAcube is a robotic workstation for automated purification of DNA, RNA, or proteins using well-established QIAGEN spin-column kits; it enables continued use of the kits and eliminates the need for tedious manual steps. QIAcube controls integrated components—including a centrifuge, heated shaker, pipetting system, and robotic gripper—allowing it to fully automate more than 40 QIAGEN spin-column kits. It uses advanced technology to process our spin columns, delivering seamless integration of automated, low-throughput sample prep into the laboratory workflow. No change of purification chemistry is required, assuring fast startup and immediate results. All steps in the purification procedure are fully automated—up to 12 samples can be processed per run. An integrated touchscreen simplifies protocol selection, and clear onscreen messages guide the user through worktable setup. In addition, a fully automated load check ensures that samples, reagents, and labware are correctly loaded.

QIAGEN

For info: 800-718-2056
www.qiagen.com

Hepcidin ELISA Kit

DRG's Hepcidin-25 ELISA Kit will help revolutionize future research, diagnosis, and treatment of anemias and iron overload diseases. Current diagnostic tests for iron do not provide adequate information for the diagnosis, monitoring, and treatment of current iron-related diseases. Hepcidin is a recently discovered hormone that controls iron absorption and distribution in the body. Unbalanced iron levels can lead to many common medical conditions, including anemia and hemochromatosis, and can cause chronic kidney disease, inflammation, or diabetes mellitus. The kit has analytical sensitivity from 0.153 ng/mL to 81 ng/mL, and uses a straightforward procedure—incubation time takes less than 2 hours and is done at room temperature with no shaking or assay buffer. Serum or plasma samples can be assessed.

DRG

For info: 973-564-7555
drg-international.com/products/hepcidin-25-bioactive-hs-v2

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