**Mass Spectrometer**

Scientists performing advanced research in proteomics, biopharma, and metabolism/metabolomics can now test new limits of detection, characterization, and quantitation with the latest Trivid mass spectrometer (MS). As the newest addition to the pioneering line of Thermo Scientific Orbitrap Trivid MSs, the Orbitrap Fusion Lumos Trivid MS is designed to expand performance in advanced proteomics, biopharma, and metabolomics applications, including quantitation using isotopic tags, low level posttranslational modification (PTM) analysis, data independent acquisition (DIA), and top-down proteomics. The new instrument features enhanced sensitivity resulting in improved analyte detection, characterization, and quantitation, enabling scientists to perform more comprehensive sample analyses faster and with better accuracy than ever before. To achieve proteome-wide coverage, the Orbitrap Fusion Lumos MS combines the versatility of a Trivid system with the selectivity of Orbitrap technology, its sensitivity and speed rivaling that of a triple quadrupole instrument.

**Thermo Fisher Scientific**

For info: 800-424-6723

www.thermoscientific.com/lumos

---

**Isolating Feet**

For those looking for the flexibility of being able to use a reflective collimator on different experiments around their laboratory, Optical Surfaces has developed self-aligning isolating feet. The isolating feet allow a ±10 mm height adjustment and enable easy relocation of the reflective collimator without any loss of performance. The isolating feet clamp onto standard optical tables and operate in two modes. When the unit is static, the isolating feet are set in “no floating mode.” However, to ensure smooth and safe transfer from one place to another, the isolating feet may be set in “floating mode.” High stability and performance on the reflective collimators is achieved using a zero expansion off-axis parabola, manufactured to better than lambda/10 peak-valley (P-V) surface accuracy. The optics within each unit are secured by the use of stress-free mounts and come prealigned in our laboratories for optimum performance. The off-axis design produces no central obscuration, ensuring highly efficient transmission.

**Optical Surfaces**

For info: +44-208-668-6126

www.optisurf.com

---

**Transfection Platform**

The new CHOgro Expression System addresses the low transient gene expression levels in early stage drug development by providing researchers a system that achieves high titers in suspension Chinese hamster ovary (CHO) cells, allowing them to quickly obtain sufficient quantities of relevant candidate proteins. The CHOgro Expression System is a robust and simple CHO transient protein expression system enabled by critical media attributes such as high-density cell growth, quick adaptation, and minimization of cell clumping posttransfection. By optimizing the components of the system, antibody titers increase 2–10 fold over existing technologies with higher amounts of antibody secreted per cell. Six different representative antibody constructs have been tested using this system, and even CHO cells maintained in other commercially available media formulations can be easily adapted with a full media exchange to the CHOgro Expression Medium 24 hours prior to transfection, and yield multifold increases in transient expression levels.

**Mirus Bio**

For info: 888-530-0801

www.mirusbio.com/chogro

---

**NIR/SWIR Camera**

The NIRvana: 640LN is the highest performance scientific-grade camera available for near-infrared and short-wave-length infrared (NIR/SWIR) applications. This new addition to the popular NIRvana line features a specially designed indium gallium arsenide (InGaAs) focal plane array (FPA) with extremely low readout, and thermal noise that is ideal for ultra-low-light imaging and spectroscopy. The NIRvana: 640LN delivers a combination of >75% quantum efficiency in the critical NIR/SWIR window, along with the deepest liquid nitrogen cooling (83° Kelvin) currently achievable for an advanced InGaAs FPA, permitting exposure times in excess of 60 minutes. The camera’s unprecedented performance facilitates challenging applications in the NIR/SWIR wavelength region. The NIRvana: 640LN is fully compatible with Princeton Instruments’ LightField 64-bit application software, an optional package that provides complete control of camera features via a cutting-edge graphical user interface. For researchers requiring a custom interface, toolkits for National Instruments’ LabVIEW and MathWorks’ MATLAB are available, as are free software development kits (SDKs).

**Princeton Instruments**

For info: 609-587-9797

www.princetoninstruments.com

---

**Micromanipulator**

Eppendorf has served as an expert partner to in vitro fertilization (IVF) labs for more than 20 years. It is our ambition to provide our customers with premium products that live up to the highest standards of quality and performance. The new TransferMan 4m continues this tradition of technical excellence and user friendliness. With its innovative and intuitive operation concept, the TransferMan 4m allows for unprecedented movement control. Advanced features including its unique DualSpeed joystick and smart functions help to speed up and facilitate the handling of sensitive samples. The TransferMan 4m therefore helps minimize exposure of sensitive cells to trauma or adverse conditions like room temperature or removal from a CO2 atmosphere. The TransferMan 4m is an excellent tool for applications, such as intracytoplasmic sperm injection (ICSI), preimplantation genetic diagnosis (PGD), and related techniques. In conjunction with the manual microinjectors of the CellTram family, it forms an ideal system for demanding cell manipulation procedures.

**Eppendorf**

For info: 800-645-3050

www.eppendorf.com/cellmanipulation

---

Electronically submit your new product description or product literature information! Go to www.sciencemag.org/products/newproducts.dtl for more information.

Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and governmental 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.