



SIMS Analyzers

Secondary ion mass spectrometry (SIMS) is a highly sensitive technique for compositional analysis of surfaces, from the atomic layer level down to depths of hundreds of nanometers. The technique uses surface probing by a beam of energetic ions, to displace and ionize surface atoms for acquisition and identification of both positive and negative

secondary ions by mass spectrometry. The extended range of Hidden SIMS Workstations incorporates instruments for many purposes, from fundamental research to automated quality control applications with integrated load lock, sample manipulation, and multispecimen sample carriers. The quadrupole SIMS detector and ion/electron source elements are separately available to enable upgrading of existing surface analysis tools. All system elements are ultra-high-vacuum compatible and feature the Hidden dual-mode MAXIM mass spectrometer operating in the secondary-ion detection mode for positive/negative ion detection and in the secondary-neutral detection mode for positive data quantification. Mass range options extend to 5,000 amu.

Hidden Analytical

For info: +44-(0)-1925-445-225
www.hiddenanalytical.com

Biological Sample Concentrators

Featuring solid aluminum JetRotors, miVac concentrators offer unmatched speed of evaporation in an affordable entry-level system. They are capable of removing solvents from a variety of sample formats including tubes, microplates, and vials, and can also be used to freeze-dry aqueous samples. These instruments are suitable for use with a wide range of solvents, from volatile organic types to water and many medium-boiling-point solvents. There is a choice of three medium-to-high vacuum pumps and a dedicated DNA system with built-in pump. Unique to miVac concentrators is SpeedTrap, a novel, frost-free, refrigerated cold trap that minimizes the traditional time required to dispose of removed solvent. miVac concentrators are extremely quiet when in use, and typical results with water show they are up to 40% faster than comparably priced biological sample concentrators.

Genevac

For info: +44-(0)-1473-240000
www.evaporatorinfo.com/info23.html

Tissue Specimens

BioreclamationIVT offers more than 50,000 tissue specimens, including HER2-positive breast cancer tissue, *Helicobacter pylori*-infected gastric cancer specimens, chronic hepatitis and cirrhosis liver tissue, and treatment-naïve tumor samples. Challenging specimens such as prostate, pancreatic, and small-cell lung cancers as well as glioblastomas and cholangiocarcinomas are also available. These high-quality human tissues come with a

confirmatory diagnosis report provided by an onsite pathologist. All human tissue collections have been stringently collected under institutional review board-approved protocols.

BioreclamationIVT

For info: 516-483-1196
www.bioreclamationivt.com/dstissueseb

Window Chambers

APJ Trading has a variety of different window kits for intravital microscopy. These windows allow researchers to see antitumor effects and early vascular events and to nondestructively record and see microvascular functions. They use standard 12-mm microscope glass slips. Available kits include MRI Compatible Chamber Kits, Titanium Brain Chamber Kits, and Abdominal Kits.

APJ Trading

For info: 805-368-6701
http://apjtrading.com

AAV Biosensors

Adeno-associated virus (AAV) biosensor products are available from AMS Biotechnology (AMSBIO). These viruses encode your chosen biosensor, either calcium or glutamate, and are ready for in vivo injection. They come with a choice of promoter and the ability to include the Cre-inducible (FLEX-ON) expression. AMSBIO has packaged these indicators into the most commonly used AAV serotypes (AAV8 and AAV9). When introduced to cells, tissues, or organisms, these biosensors detect changes by fluorescent microscopy or spectral changes. They permit long-term imaging and can be engineered to specifically target cellular compartments or organelles. AMSBIO AAV biosensors allow signaling pathway exploration and enable the measurement of biomolecules, while preserving both spatial and temporal cellular processes. Applications for calcium AAV biosensors include real-time calcium imaging with green fluorescent protein/calmodulin protein sensor (GCaMP), high-throughput calcium assays with cultured cells, calcium activity imaging across large cell populations and/or tissues, and tracing of neurons based on their calcium activity level.

AMS Biotechnology

For info: +44-(0)-1235-828200
www.amsbio.com/aav-biosensors.aspx

Low Retention Pipette Tips

Featuring a low attachment force and a low ejection force, GripTips effortlessly snap onto your pipette-tip fittings and are easily ejected. Using standard pipette tips to pipette viscous samples, detergents, and other low-surface-tension liquids can cause the tips to take on hydrophilic properties, resulting in spreading out of the sample. The heightened hydrophobic properties of Low Retention GripTips prevent samples from spreading out, enabling maximum liquid recovery. Used in conjunction with Integra pipettes, GripTips offer high lateral resistance, ensuring that they are always firmly attached and perfectly aligned, regardless of how many side well touch-offs are performed. Using GripTips, you no longer have to hammer your pipette tips on or worry about them falling off. Low Retention GripTips are offered in 6,000 series racks as nonsterile, sterile, and filter options.

Integra Biosciences

For info: 603-578-5800
www.integra-biosciences.com

Electronically submit your new product description or product literature information! Go to www.sciencemag.org/about/new-products-section 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.

Science

New Products

Science **357** (6353), 822.
DOI: 10.1126/science.357.6353.822

ARTICLE TOOLS <http://science.sciencemag.org/content/357/6353/822>

PERMISSIONS <http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

Science (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.