



Raman Imaging Software

WITec Suite FIVE is a software suite that enables an integrated functionality incorporating the various WITec techniques and measurement modes such as Raman, AFM, SNOM, Raman-AFM, Raman-SEM, fluorescence, and combinations thereof. It includes a powerful software environment for

data acquisition, evaluation, and processing of even large data volumes and 3D scans. The novel consolidated wizard guides the user through the entire experiment, from initial settings and acquisition to data and image postprocessing, and simplifies the generation of high-quality images. WITec's unique handheld controller, EasyLink, provides a tactile and immediate interface for directing the automated translation stage, objective turret, illumination, and focus. WITec Suite FIVE transforms the user experience, enabling the researcher to move from setup to results with unprecedented ease.

WITec Instruments

For info: 865-984-4445

www.witec.de/products/accessories/software-witec-suite

Freeze Dryer

The LyoCapsule Freeze Dryer is a lyophilization instrument that delivers results comparable to larger R&D freeze dryers. Its small chamber incorporates a unique cylindrical inner chamber, or "capsule," to hold the vials, and uses wall temperature control to ensure that edge vials dry under the same process conditions as the center vial. This mini freeze dryer can process small quantities of costly materials such as developmental biological drugs, and requires far less material preparation time while still facilitating robust and cost-effective cycle development. The unit can accommodate 2-mL to 20-mL vials; seven 20-mL vials can fit comfortably on the circular shelf. In addition, it offers robust process-monitoring tools including chamber- and condenser-capacitance manometers, a Pirani gauge, product thermocouples, SMART Freeze Drying technology, and tunable diode laser absorption spectroscopy (TDLAS) as an add-on option.

SP Scientific

For info: 800-431-8232

www.spscientific.com

Single-Cell WGA Kit

CovCheck Multiplex Human Kit is a PCR kit for determining human single-cell, whole-genome amplification (WGA) success with high throughput. It provides a ready-to-use set of end-point PCR primers in a convenient 96-well plate format, complete with optimized PCR reagents including a premium hot-start *Taq* polymerase. The plate includes 16 identical sets of 24 different primer pairs multiplexed in six reactions, which will amplify small portions from each human chromosome, allowing coverage analysis of 16 independent whole-genome amplifications simultaneously.

Expedeon

For info: 844-611-3656

www.expedeon.com

Biological Shaker

The Innova S44i biological shaker from Eppendorf is now moving shaker technology forward—designed with an intelligent new drive for years of dependable operation. It is specifically developed for laboratories that are short on space but have high demands for sample cultivation, and its industry-leading load-speed and capacity threshold make it ideal for growing microbiological and phototrophic organisms. The Innova S44i comes with a responsive touchscreen interface for effortless operation. It is easy to define operating parameters and to view performance history, alarm status, trend graphs, or event history directly on the display. Built-in user management allows the controlled access, operation, and traceability that are required in highly regulated laboratories. The built-in USB drive enables all data and events from the Innova S44i to be transferred for documentation or later evaluation. The new shaker can be integrated into a central monitoring and data management software using VisioNize software from Eppendorf.

Eppendorf

For info: 800-645-3050

www.eppendorf.com

Sample Recognition Software

LiveID software enables real-time classification of samples using direct-analysis mass spectrometry (MS). Information is provided to the user immediately at the time of analysis, enabling informed, real-time decision-making, and removing doubt from sample identity. LiveID can be used with high-resolution time-of-flight MS data generated from a Waters Xevo G2-XS or SYNAPT G2-Si MS fitted with a rapid evaporative ionization mass spectrometry (REIMS) source. Applications are extensive and include confirmation of sample authenticity for foods and bulk chemicals, food fraud, plant phenotyping in herbicide research, microbe classification, and bioengineering research.

Waters

For info: 800-252-4752

www.waters.com

Purified Cancer Exosome Samples

AMS Biotechnology (AMSBIO) has introduced a range of purified cancer exosome samples to help researchers study the role of exosomes in cancer development and metastasis. The purified tumor exosomes can be used for RNA or protein-analysis techniques such as quantitative reverse transcription-PCR (qRT-PCR), microarray, and mass spectrometry. AMSBIO also offers purified tumor exosomal RNA that is ready-to-use for next-generation sequencing. Our purified tumor exosome range includes samples from bladder, breast, colorectal, Crohn's disease, diabetes type 1, kidney, leukemia, liver, melanoma, nasopharyngeal, non-Hodgkin lymphoma, prostate, psoriasis, rheumatoid arthritis, systemic lupus, thyroid, and uterine corpus cancers. This product range is for research use only. Exosomes—small endosome-derived lipid nanoparticles actively secreted by exocytosis—have been shown to have pleiotropic physiological and pathological functions, and play significant roles in diverse pathological conditions such as cancer and infectious and neurodegenerative diseases.

AMS Biotechnology

For info: +44-(0)-1235-828200

www.amsbio.com/exosomes.aspx

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