Gravimetric Diluter
For microbiologists needing to accurately generate 1 to 1:100 sample dilutions, ProDilute is a next-generation, precise gravimetric diluter. It dilutes the sample by adjusting the delivered volume to the weight of the sample. The automatic distribution of the broth/media guarantees the precision of the dilution. The instrument features easy loading of bags/samples and rapid dispensing—less than 10 seconds is needed to dispense 225 mL. ProDilute is compact and light (8 kg), taking up minimal bench space.

**Synbiosis**
For info: +44-(0)-1223-727125
www.synbiosis.com/gravimetric-diluter-prodilute

**Liquid-Handling Platform**
TTP Labtech has developed a second generation of its dragonfly technology to address the complexities of assay development and challenges associated with validating and subsequent transferring of those assays into high-throughput screening (HTS), which are well-known bottlenecks in the drug discovery process. This novel, user-friendly, low-volume liquid-handling technology significantly reduces assay development time and greatly improves assay robustness in screening. The new platform enables rapid and reliable low-volume (200 nL upwards) dispensing from a positive-displacement disposable pipette (with 4-mL capacity), and 96-, 384-, and 1,536-well compatibility, to allow assays to be developed directly in high-density plate format using a common liquid-handling platform. The same platform can also perform assay validation and subsequent HTS. In addition, a new software capability and user interface support the design and development of complex assays.

**TTP Labtech**
For info: 617-494-9794
http://ttplabtech.com

**Cell Culture System**
The Thermo Scientific Nunc High Density Cell Factory System offers 30% more surface area and yield than similar multitray systems for adherent cell culture. Its incremental surface area allows greater output from a single run within the same footprint than standard Nunc cell factory systems, thus increasing manufacturing capacity while offering potential savings in labor, decontamination, and waste disposal costs. Available in 3-, 13-, or 52-layer options, the system gives users the opportunity to achieve equivalent cell densities while increasing the total yield per system. It is a smart, economical solution that will increase production capacity, labor, and handling efficiencies with minimal change. These important factors should be considered when time-to-market or project deadlines are critical.

**Thermo Fisher Scientific**
For info: 800-955-6288
www.thermofisher.com/cellfactory

**Cell Analyzer**
The Agilent Seahorse XFp Analyzer measures the oxygen consumption and extracellular acidification rates of live cells in an 8-well miniplate format. It can perform up to four independent injections per well with automatic mixing. The quick and easy setup makes the XFp Analyzer ideal for performing routine tests of metabolic phenotype of ex vivo and other quantity-limited samples. It can analyze as few as 5,000 cells per well/15,000 per group, and is compatible with both adherent and suspension cells as well as isolated mitochondria. This integrated system reports metabolic rates in minutes, without sample extraction or labeling. The Seahorse XFp performs measurements and calculates rates on the fly, completing the assay in just an hour or two. Data is easily transferred to Seahorse Wave analytical software, or exported to common spreadsheet and graphing programs.

**Agilent Technologies**
For info: 800-227-9770
www.agilent.com/en-us

**Flow Cytometer**
The BD FACSConstella flow cytometer is designed to make multicolor flow cytometry more accessible and allow researchers to benefit from new innovations in instrument and reagent technology. It offers multiple configurations and simplifies experimental design and analysis for experienced researchers as well as those new to flow cytometry. Available in four configurations, the system allows researchers to gain access to BD Horizon Brilliant dyes, which can help detect low-density antigens and rare populations. It has been designed to fit on the benchtop, and uses BD FACSDiva software to streamline workflow—from system setup to data acquisition to data analysis.

**BD Biosciences**
For info: 877-232-8995
www.bdbiosciences.com

**Cell Confluency Checker Software**
Accurate cell confluency measurements are easy to perform on cell cultures with the Olympus CKX-CCSW confluency checker software. Eliminating the need to remove cells from the vessel, the software quantifies their exact growth density, which helps scientists quickly decide on the next step and optimize cultivation conditions. The software complements the Olympus CKX53 cell culture microscope and Cell Counter Model R1. Success in cell culture applications, such as stem cell research and regenerative medicine, rely on routinely checking the health and growth status of cultures. Previously, microscopic inspection would provide a rough visual estimate of confluency, ascertaining whether growing cells were ready to passage or assay. Lacking standardization, this procedure would often lead to inconsistencies or cells exceeding the recommended growth density, negatively impacting downstream experimentation. The CKX-CCSW software utilizes an exclusive Olympus cell-counting algorithm, creating quantifiable cell-growth data to determine when cells require passaging, experimentation, or storage.

**Olympus**
For info: +44-(0)-40-23773-5913
www.olympus-lifescience.com

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