**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

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**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

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**Flow Cytometer**

The BD FACSCelesta 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
wwwbdbiosciences.com

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**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 passing, experimentation, or storage.

**Olympus**
For info: +49-(0)-40-23773-5913
www.olympus-lifescience.com

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**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

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