

## New Products



### Transfection Device

The Neon Transfection device is a cost-effective benchtop tool for high-efficiency transfection of DNA and small interfering RNA into more than 150 different cell types, including very difficult to transfect cells such as primary cells, stem cells, and Jurkat cells. The device features a unique pipette tip transfection chamber designed to minimize cell death, open-program software for easy adjustment of transfection parameters, and an optimized reagent kit that works with all cell types.

**Invitrogen, a division of Life Technologies**

For information 650-638-6113

[www.lifetech.com](http://www.lifetech.com)

### Transfer Plasmids

A new range of transfer plasmids features unique signal sequences and promoters that increase cloning efficiency and expression of foreign genes. The pOET transfer plasmids have been designed to be smaller for improved cloning efficiency and ease of use. Both pOET-1 plasmids contain a large multiple cloning site (MCS), allowing foreign genes to be inserted in the correct orientation. Autographica californica multiple nuclear polyhedrosis virus (AcMNPV) sequences flanking the gene in the transfer plasmid's MCS allow recombination with FlashBAC DNA to insert the expression cassette into the polyhedron locus. In addition, pOET-1NTM has been designed for high-level expression of foreign genes fused to an N-terminal 6xHis tag, easing the purification of the recombinant protein. The pOET-1 is compatible with any baculovirus system that uses homologous recombination in insect cells.

**Oxford Expression Technologies**

For information +44-(0)-1865-483236

[www.oetltd.com](http://www.oetltd.com)

### DNA Isolation Kit

The BioStic Bacteremia DNA Isolation Kit is optimized for the extraction of total DNA from cultured blood for the detection of bacteria. In the protocol, blood samples are inoculated into the BioMerieux BacT/Alert SA Culture Bottle for growth of potential pathogens. The kit removes the antibiotics in the sample and all inhibitors from the medium through patented inhibitor removal technology. The purity of the isolated DNA allows it to be used in sensitive detection assays, including Agilent BioAnalyzer assays for multiplex polymerase chain reaction (PCR) products and real-time PCR.

**Mo Bio Laboratories**

For information 800-606-6246

[www.mobio.com](http://www.mobio.com)

### Sample Storage

The automated -20°C Sample Access Manager (SAM) is an affordable cold storage system for compounds and biological samples. The -20°C SAM ensures sample integrity by maintaining a precise storage environment at user-determined levels from +20°C to -40°C. Based

on the technology behind Hamilton's -80°C storage system, the lower throughput, automated system offers sample format flexibility, cherry picking, sample tracking, and easy-to-use software, all within a compact footprint. The sample tracking software provides an audit trail and complete chain-of-custody documentation. The system's internal robotics are driven by patented external magnetic couplers to ensure consistent storage temperature and prevent sample degradation. The system can handle microplates or a variety of tube sizes and is suitable for the storage of nucleic acids, tissues, proteins, and compounds.

**Hamilton Storage Technologies**

For information 508-544-7000

[www.hamilton-storage.com](http://www.hamilton-storage.com)

### Streptavidin Magnetic Beads

The Pierce Streptavidin Magnetic Beads are designed to streamline the isolation and purification of biotinylated biomolecules without columns or centrifugation. These superparamagnetic particles offer higher binding capacity and lower nonspecific binding than other commercially available magnetic beads, according to the manufacturer. They are validated and optimized for use with high throughput magnetic instrumentation, such as the Thermo Scientific KingFisher 96 and KingFisher Flex instruments. The particles also perform well in manual purification procedures. They can be stored refrigerated for one year.

**Thermo Fisher Scientific**

For information 815-968-0747

[www.thermo.com/pierce](http://www.thermo.com/pierce)

### RNA Extraction

The QuickExtract RNA Extraction kit extracts RNA from cultured cells for reverse transcription polymerase chain reaction. The single-tube system requires only vortex mixing to lyse the cells and prepare the RNA for complementary DNA synthesis. The kit is free of toxic, organic solvents and is suitable for high throughput workflows. It has been tested on both mammalian and bacterial cell cultures.

**Epicentre Biotechnologies**

For information 800-284-8474

[www.EpiBio.com](http://www.EpiBio.com)

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