

## DNA Plasmid Prep

The DNA Plasmid Prep Filter Plate Kit for preparation of high-quality plasmid DNA contains plates and seals for five 96-well preparations. The automation-friendly plates fit vacuum manifolds, centrifuges, and positive pressure devices. The pure DNA is suitable for downstream applications such as sequencing and restriction digestion.

**Nunc** For information 866-686-2548 [www.nuncbrand.com](http://www.nuncbrand.com)

## Red Fluorescent Protein

The BD Living Colors DsRed-Monomer Fluorescent Protein is a newly engineered mutant from *Discosoma* reef coral. It is suitable for multi-color applications in flow cytometry and fluorescence microscopy. The DsRed-Monomer protein is stable, allowing users to monitor fluorescence over extended periods of time. The chromophore matures rapidly and is readily detected 12 hours after transfection. The use of DsRed-Monomer as a fusion tag has been validated with a wide variety of proteins with diverse functions and subcellular locations. It is well-tolerated by mammalian cells and has been successfully used to create stably transfected, clonal cell lines.

**BD Biosciences** For information 877-232-8995 [wwwbdbiosciences.com/clontech](http://wwwbdbiosciences.com/clontech)

## Macroscopic Fluorescence System

The Leica MacroFluo is designed for large field-of-view, low-magnification (macro) fluorescence documentation and digital image stacking (multifocus or extended depth of field). The system is a unique combination of the long working distance and large field of view of a stereomicroscope with the vertical optical path of a classical light microscope. The design is suitable for imaging very large fields and increasing the accuracy of digital image processing, analysis, and measurement. The users who will benefit most from the MacroFluo are those conducting research on whole adult mice, fully developed zebrafish, chicken embryos, and *Xenopus*. Since these organisms tend to outgrow the field of view of standard stereomicroscopes, it is often difficult to attain high-quality, low-magnification images of them. In addition, the popularity of removing depth-of-field limitations from digital images via image stacking is increasing, and the on-axis MacroFluo will be useful to those labs wishing to capture publication-quality fluorescence images.

**Leica** For information 847-405-7026 [www.leica-microsystems.com](http://www.leica-microsystems.com)

## siRNA Design Service

HP Guaranteed siRNA is a small-interfering RNA (siRNA) design service. Four siRNAs targeting a gene of choice are designed using the innovative HiPerformance algorithm licensed from Novartis Pharmaceuticals, with a guarantee that at least two of them will result in efficient knockdown to the researcher's satisfaction.

**Qiagen** For information 800-426-8157 [www.qiagen.com](http://www.qiagen.com)

## Chromatography Medium

Capto Q, the first in a new family of chromatography media, is a medium for protein purification in downstream processing designed to meet the growing need in the biopharmaceutical market to process large feed volumes with high protein expression lev-

els. Capto Q is suitable for use in the capture and intermediate purification of high expression and high-volume feeds. The highly rigid matrix allows a wide working range of flow velocities, bed heights, and sample viscosities, all of which positively influence processing costs. High flow velocities increase volume throughput and reduce process time; longer bed heights eliminate the need for large equipment and keep footprints small; and high-flow processing of viscous samples means less dilution and shorter cycle times.

**GE Healthcare** For information +44 (0) 1494 498 050 [www.gehealthcare.com](http://www.gehealthcare.com)

## Automated Compound Storage and Retrieval

The MatriStore System is a compact, automated compound storage and retrieval system for pharmaceutical, biotechnology, genomic, and proteomic research laboratories. The modular design offers short installation times and the option to grow as storage needs grow. The MatriStore System has the capacity to store up to 40 million samples of chemical compounds, microorganisms, DNA, RNA, and other biological materials. It makes use of advanced robotics to pick and place samples at the rate of more than 20,000 per day. Housed in a cold-room environment, it operates from ambient to  $-20^{\circ}\text{C}$ . The system supports the large-scale storage of compounds held in varying plate and tube formats.



**Matrical** For information 509-343-6225 [www.matrical.com](http://www.matrical.com)

## Literature

The Upchurch Scientific *2005 Catalog of Chromatography and Fluid Transfer Components* includes valves, pumps, and accessories from IDEX Corporation's precision flow products business units Rheodyne, Ismatec, and Micropump. The catalog offers a wide array of nanoscale to preparative scale fluidic components for analytical, biotechnology, and diagnostic lab applications. The catalog also includes application notes and technical resource information.

### Upchurch Scientific

For information 800-426-0191 [www.upchurch.com](http://www.upchurch.com)

*Ultrafiltration Handbook* includes 20 application notes and protocols for protein research, DNA sequencing, forensic, and clinical applications. The handbook's selection guide helps researchers choose the most appropriate ultrafiltration tool for a wide range of applica-

tions, including protein concentration, desalting, polymerase chain reaction clean-up, and sequencing reaction clean-up.

**Millipore** For information 800-MILLIPORE [www.millipore.com/proteinresearch](http://www.millipore.com/proteinresearch)

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# Science

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