

## New Products

**LIQUID CHROMATOGRAPHY DETECTOR**

Sapphire is a universally compatible, four-channel liquid chromatography detector. Sapphire features a revolutionary sapphire and quartz composite variable path-length flow cell, which allows concurrent measurement of ultraviolet (UV) absorption at 250 and 280 nm, refractive index, and conductivity. Sapphire's innovative design allows an unprecedented 0.001–100 A.U. UV detection range when normalized to a 10 mm path length. Deep UV LED light sources eliminate warm-up associated with traditional lamps and extend lifetime. Data is visualized in real-time on a four color integrated color monitor, and is USB-exportable. Sapphire is designed for purification of proteins and other biological materials as well as for FLASH chromatography.

**Reach Devices**

For info: 720-979-8940 | [www.reachdevices.com](http://www.reachdevices.com)

**REAL-TIME PCR DETECTION SYSTEM**

The CFX Connect real-time polymerase chain reaction (PCR) detection system is an ideal tool for researchers looking for reliable, high performance real-time PCR on a limited budget. The CFX Connect system, which requires a computer for operation, offers the same thermal performance as the CFX96 Touch real-time PCR system. It uses a similar scanning optics shuttle design that reads each well individually with high sensitivity and no cross talk to deliver optimal quantitative results. The CFX Connect detects two fluorophores per well in duplex experiments and detects SYBR Green or EvaGreen in singleplex experiments. Additional key benefits are effortless optimization that saves time and reduces costs by optimizing assays in a single run using the thermal gradient, and accurate data analysis with CFX Manager Software that offers an intuitive user interface and the ability to quickly and accurately validate and analyze data.

**Bio-Rad**

For info: 800-424-6723 | [www.bio-rad.com](http://www.bio-rad.com)

**MAGNETIC BEADS**

MagSi-proteomics beads are magnetic beads that are an ideal tool for the purification, concentration, and desalting of peptides and protein digests. The surface of the beads has been modified with C4-, C8-, and C18-alkyl groups that are optimized for reversed phase applications. Magnetic beads offer a convenient solid support for a variety of assays and procedures based on affinity purification. They are especially well suited for automated procedures because instrumentation is available to easily mix, incubate, and separate the magnetic beads in 96-well plates without columns or centrifugation. Offering higher throughput and cost efficiency compared to tip-based separations, MagSi proteomics beads efficiently bind and elute even tiny sample fractions. The high magnetic strength of MagSi beads makes them applicable for both manual and automated/robotic fractionation, because the beads will typically collect in less than one minute when magnetic force is applied.

**AMS Biotechnology**

For info: +44-(0)-1235-828200 | [www.amsbio.com](http://www.amsbio.com)

**GLYCOPROTEINS COUPLING REAGENTS**

The new GlycoLink Immobilization and Immunoprecipitation (IP) Kits are designed for protein affinity purification and the study of protein interactions. The GlycoLink Immobilization and IP Kits provide the reagents for coupling glycosylated biological molecules to a beaded resin. The kits contain the Thermo Scientific UltraLink Hydrazide Resin and a reaction catalyst for a fast and efficient method to immobilize carbohydrates and glycoproteins such as antibodies onto a durable polyacrylamide resin. The catalyzed reaction results in greater than 90% coupling in four hours or less, depending on the amount of glycosylation. It also leaves other critical active sites on the molecule such as amines, carboxyls, and sulfhydryls free for other experimental purposes. Several kit configurations are available and contain the complete set of buffers, oxidizing reagent, and resin. The GlycoLink Coupling Catalyst is also available separately.

**Thermo Fisher Scientific**

For info: 800-874-3723 | [www.thermoscientific.com/pierce](http://www.thermoscientific.com/pierce)

**DUAL-LINE LIGHT ENGINE**

The Cobolt Dual Combiner is a modulated dual-line light engine that is optimized for high-end optogenetics research applications. This version of the Cobolt Dual Combiner offers two attractive emission wavelengths for light-activated proteins: 473 nm (up to 50 mW) + 594 nm (up to 100 mW) from one small box. Through the integrating of a silent SRS shutter, the output beam can be modulated at up to 100 Hz with a very short rise time of <350  $\mu$ s and with maintained 3% power stability and an RMS noise of <0.3%. Each line can be individually addressed through a software application provided with the lasers, or through RS232/USB communication. The modulated Cobolt Dual Combiner is perfectly suited for optogenetics applications where high level of power stability and control of the delivered energies are required. The modulated Dual Combiner is also available with any other two-line combination of the Cobolt 04-01 series lasers.

**Cobolt**

For info: +46-8-545-912-30 | [www.cobolt.se](http://www.cobolt.se)

Electronically submit your new product description or product literature information! Go to [www.sciencemag.org/products/newproducts.dtl](http://www.sciencemag.org/products/newproducts.dtl) for more information. Newly offered instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and governmental organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by *Science* or AAAS of any products or materials mentioned is not implied. Additional information may be obtained from the manufacturer or supplier.

# Science

## New Products

*Science* **335** (6067), 481.  
DOI: 10.1126/science.335.6067.481-a

**ARTICLE TOOLS** <http://science.sciencemag.org/content/335/6067/481.1>

**PERMISSIONS** <http://www.sciencemag.org/help/reprints-and-permissions>

Use of this article is subject to the [Terms of Service](#)

---

*Science* (print ISSN 0036-8075; online ISSN 1095-9203) is published by the American Association for the Advancement of Science, 1200 New York Avenue NW, Washington, DC 20005. 2017 © The Authors, some rights reserved; exclusive licensee American Association for the Advancement of Science. No claim to original U.S. Government Works. The title *Science* is a registered trademark of AAAS.