

New Products

Microplate Reader



Product: Multi-Detection Microplate reader with HTRF certification.

Name&Manufacturer: Synergy 2 from BioTek.

Technology: Synergy 2 powered by BioTek's Gen5 Data Analysis Software, is a modular microplate reader incorporating detection modes for Fluorescence intensity, Fluorescence Polarization, Time resolved Fluorescence, Luminescence and UV-visible Absorbance.

Advantages: A unique combination of monochromator, filters, dichroic mirrors and three broad-spectrum light sources for illumination that provide the best possible level of performance in all detection modes without performance degradation typical in multidetection systems.

More Information: www.biotek.com

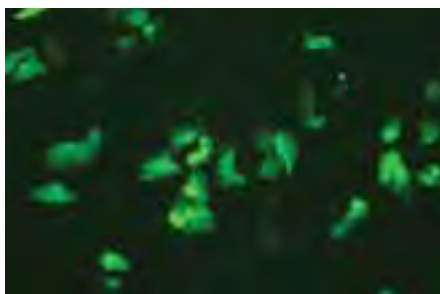
Transfection

Product: Broad-range and cell-specific Transfection Reagents.

Name&Manufacturer: PromoFectin Transfection Reagents from PromoCell GmbH

Technology: PromoFectin is a stable, water-soluble non-liposomal polymer free of animal components. It compacts nucleic acids into positively-charged complexes and protects them. The complexes bind to negatively-charged cell-surface residues and enter by endocytosis. In the endosome, PromoFectin acts as a pH buffering proton sponge. Continuous proton influx leads to osmotic swelling and rupture of the endosome and rapid release of the PromoFectin/DNA complexes into the cytosol. In addition, PromoFectin favors DNA trafficking to the nucleus.

Advantages: PromoFectin provides effective and reliable delivery of nucleic acids into a variety of cell types, including hard-to-transfect cell lines and primary cells



(e.g. HUVEC, hepatocytes). It shows low residual toxicity and efficient transfection of sensitive cells yielding optimal gene expression. No medium change required. It can be used for delivery of plasmid DNA as well as oligonucleotides and siRNA into adherent and non-adherent cells. HTS optimized protocols are provided.

More Information: www.promokine.de
info@promokine.de

Microplate Reader II



Product: Multimode microplate reader.

Name&Manufacturer: TriStar LB 941 from Berthold Technologies.

Technology: TriStar contains optimized paths for absorbance, luminescence and fluorescence. Optical emission filters can be used in TriStar's luminescence optics to measure BRET and multicolour luciferases. There is a universal and low noise detector for fluorescence and luminescence - besides the photodiode for absorbance reading. TriStar can be supplemented with up to 4 reagent injectors and a temperature control unit for the microplates.

Advantages: TriStar has detection sensitivities known from dedicated instruments. It determines enzyme activities, phagocytosis, calcium flux, cell viability, apoptosis, immuno assays, protein, DNA and protein-protein interactions.

More Information: www.berthold.com/bio

DNA ligation

Product: Lyophilized DNA ligase preparation.



Name&Manufacturer: Lyo-Ligase from bioline.

Technology: Lyo-Ligase is supplied as a lyophilized reagent in ready-to-use, single-use tubes. The single-use tube format requires the addition of vector and insert to a final volume of 20 μ l. The pellet dissolves instantly and offers complete ligation of 100 ng of DNA in 5 minutes (99% of sticky-ends and 80% of blunt ends).

Advantages: In contrast to conventional labile ligases which readily degrade with temperature fluctuation, Lyo-Ligase remains completely stable at room temperature for up to 6 months.

More Information:

www.bioline.com/lyo-ligase

Multiphoton emitters



Product: "full visible" emitters for multiphoton application.

Name&Distributor: BrightLine from AHF Analysentechnik

Technology: The multiphoton emitters can be delivered combined with corresponding shortpass or longpass dichroics with extended reflection and transmission regions, tailored to the multiphoton emitters.

Advantages: Exceptional transmission from 350 nm to 650 nm; Exceptional OD 8 blocking from 680-1040 nm, and OD 6 to 1080 nm; Ideal for near-UV work and when the highest blocking is required.

More Information: www.ahf.de