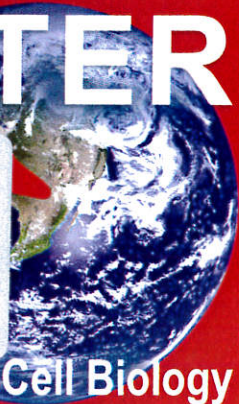


NEWSLETTER

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 20021 Baranzate (Milano)
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 www.duotech.it



Innovative Tools for Molecular and Cell Biology

SpeedBlot (Mouse) Western Blot Stain



Stop Getting Upset with Old-Fashioned ECL Blotting - Start Relaxing with Modern Speed Blotting!



This ready-to-use product contains a polyclonal antibody reactive to mouse IgG (Fc) which is linked to spherical gold nanoparticles. After addition of primary antibody, the solution can be used right away for the detection of immobilized target protein. Standard applications are shortened versions of Western or dot blots.

Features

- Quick and easy
- Comfortable reagent
- No detection equipment required
- No over-staining



Detection of Target Protein from *E. coli* Lysate

Left:
 Unspecific *E. coli* lysate sample staining with "Instant-Band" viewed on a UV transilluminator.

Right:
 Specific SpeedBlot (Mouse) detection of target protein from *E. coli* lysate sample. Both detection reagents work well together.



Start: Pour SpeedBlot (Mouse) into suitable container and add mouse-raised primary antibody.



Minute 1: Place the tap water-rinsed blotting membrane into the tray.



Minute 1-90: Incubate blotting membrane until the detection signal is sufficiently intense.



Minute 20-90: Dry membrane. The detection signal is visible, quantitative, and permanent.

Order Information

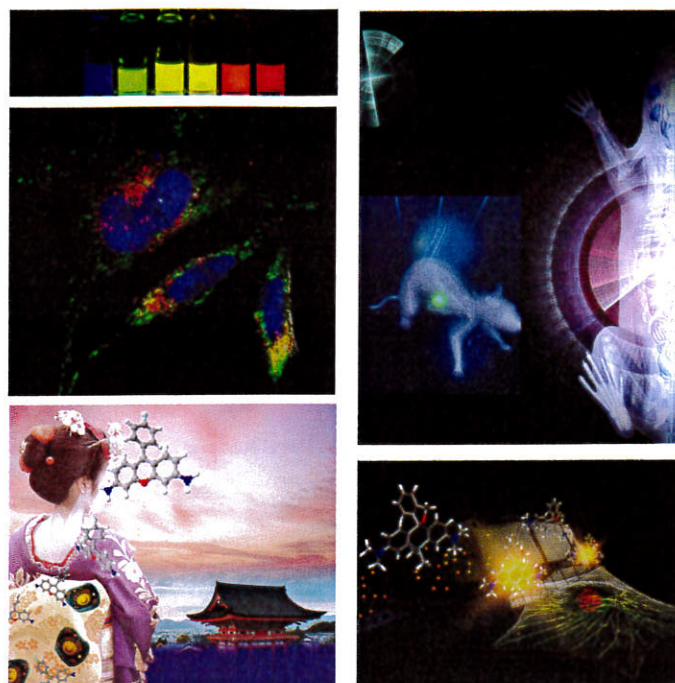
Order No.	Description	Amount
PR-SB02-01	SpeedBlot (Mouse)	4 x 25 ml

Next Generation Fluorescent Probes

FLUORESCENCE
TECHNOLOGY
MoBiTec

For Live Cell Imaging, Flow Cytometry, Tissue Experiments, ...

- **ICG – Near-Infrared Fluorescent Dyes**
 - For labeling with NHS esters, maleimides, or through click reaction
 - Labeling kits are available
 - Not only proteins and antibodies but also oligonucleotides with terminal amino acid residue can be labeled
- **HMSiR – Fluorescent Probe for Live-Cell Super-Resolution Imaging**
 - Imaging possible under physiological conditions
 - HMSiR displays spontaneous blinking with low-power excitation light and without additives
 - Overcoming the problems of dSTORM: performing super-resolution imaging without thiols, oxygen scavengers, or high-power laser irradiation
- **Kyoto Probe 1 (KP-1) – Evaluation of iPS/ES Cells**
 - Distinguish human iPS/ES cells from differentiated cells
 - For flow cytometry or live cell imaging
 - Staining during cultivation of the cells
- **AcidiFluor™ ORANGE – pH Probe for Acidic Organelle Imaging**
 - pH-sensitive fluorescent probe
 - Great photostability
 - High sensitivity even after conjugation with proteins
 - For studying endocytosis or phagocytosis
- **ProteoGREEN™-gGlu – For Specific Detection of Cancer Cells**
 - For live cell or *in vivo* imaging and FACS analysis
 - High S/N ratio
 - GGT (γ -glutamyltranspeptidase)-activatable fluorescent probe



Order Information (Selection)

Order No.	Description	Amount
IM102	ICG NHS ester	5 mg
IM108	ICG maleimide	5 mg
IM114	ICG azide	5 mg
IM134	ICG antibody labeling kit	1 plate
A201-01	HMSiR-Halo	15 nmol
GC7001-01	Kyoto probe 1 (KP-1)	5 x 10 μ g
GC3011	AcidiFluor™ ORANGE	10 x 10 μ g
GC801	ProteoGREEN™-gGlu	10 x 20 μ g

distributed for  GORYO CHEMICAL, INC.

Fluorescent Cell Organelle Stains

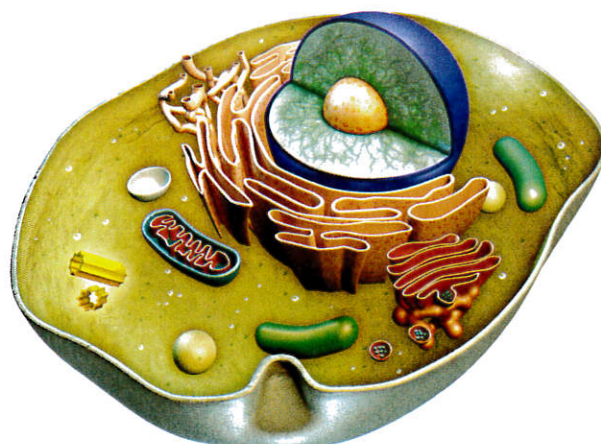
FLUORESCENCE
TECHNOLOGY
MoBiTec

New Brochure Available!

Features

- Nuclear stains
- Cytoplasmic marker
- Probes for mitochondria
- Lipophilic reagents and membrane stains
- Probes for lysosomes or other low pH compartments
- Liposomal fluorescence dyes & ions

Contact Us to Get Your
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or
Download the PDF at
www.mobitec.com!



ELISA Kits for Cell Biology Research

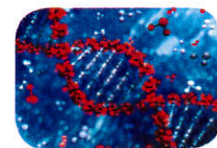
IN VITRO DIAGNOSTICS
AND ASSAYS
MoBiTec

More than 6,500 High Quality ELISA Kits Across 15 Species

Features

- High sensitivity – protein detection in a concentration of pg/ml
- High specificity ensuring low background, high signal intensity, and excellent sensitivity
- Multiple quality control steps, ISO 9001:2008 certified
- High reproducibility
- Long-lasting stability
- Short lead times
- Affordable

FineTest ELISA Kits are available in two formats – as sandwich ELISA and as competitive ELISA. The range includes the areas apoptosis, signal transduction, interleukin, developmental biology, growth factors and receptors, enzymes, metabolism, stem cells, cancer biomarkers, immunology, and neurology.



distributed for

FineTest

Protein Preparation and Assay Technologies

PROTEOMICS
MoBiTec

Drug Targets, Biochemical Assays & Molecular Delivery

MoBiTec provides ProFoldin's innovative protein preparation, drug target assays, drug delivery, and concentration assay technologies for drug discovery and academic research.

Products

- Drug Targets and High-Throughput Assays
 - DNA topoisomerases - The Topo World
 - DNA replication enzymes
 - DNA repairing enzymes
 - Gene transcription enzymes
 - Bacterial cell wall synthesis (Mur) enzymes
- Concentration Measurement
- Protein Folding, Extraction, Purification, and Analysis
 - Preparation of active proteins from inclusion bodies
 - Preparation of active membrane proteins from cell membranes
 - Evaluation of protein stability and measurement of protein aggregation
 - Removal of salt or nucleic acids from protein samples
- Molecular Delivery - Liposome Products and Liposome Research Tools
 - Liposome purification and analytic tools
 - Ready-to-load liposomes for drug delivery
 - Membrane-protein reconstitution
 - Drug-loaded liposomes
 - Liposome preparation systems
- Cell Density and Tissue Staining



For More Information
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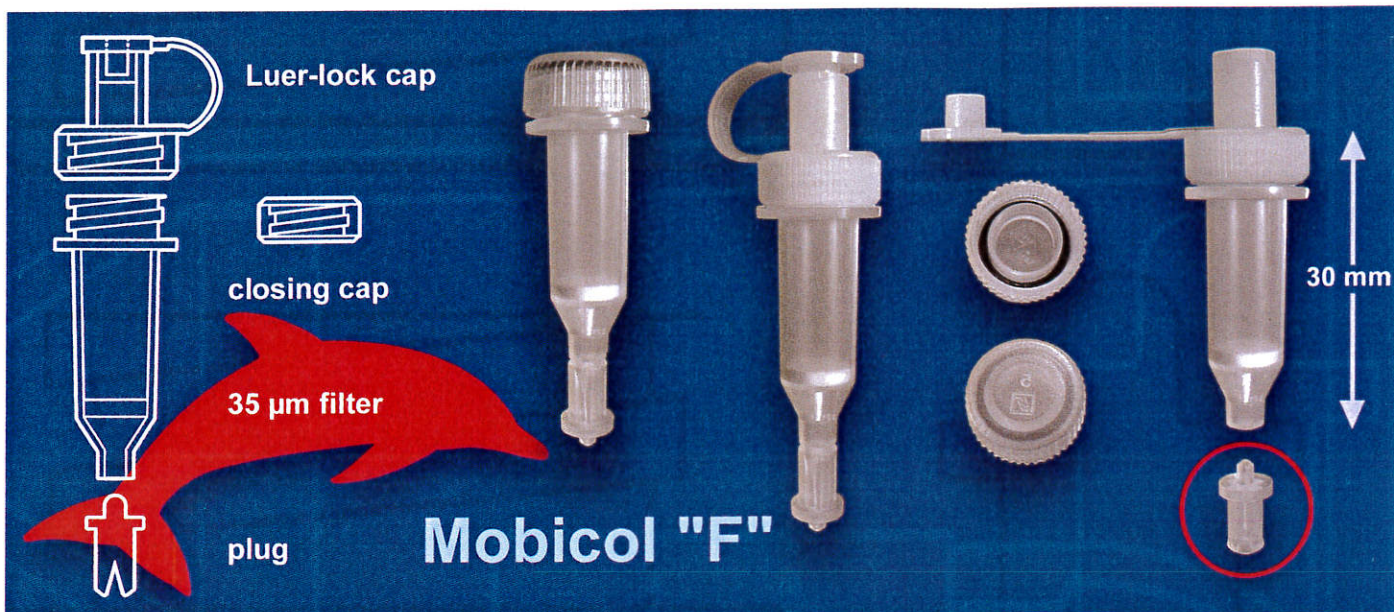
distributed for ProFoldin

Mobicol „F“ Mini Column

LAB
SUPPLIES
MoBiTec

Features

- Can be used in flow-through mode or as spin column
 - Luer-lock cap is compatible to Luer syringes
 - Autoclavable (with filters at 110 °C) for 10 min
 - Reverse side of snap-off plug can be used for resealing
- Use with your own matrix to purify:
 - Antibodies or other peptides
 - Tagged or native proteins
 - Glycoproteins and carbohydrates
 - Fatty acids and fatty acid binding proteins



Order Information

Order No.	Description	Amount
M105035F	Mobicol „F“ with fixed outlet plug, inserted 35 µm filter and 2 different screw caps	50
M1050	Mobicol „F“ with fixed outlet plug and 2 different screw caps, without filters	50
M523515	Filter (large) 35 µm pore size, for Mobicol M1002, M1003, M1050 & M1053	50
M3001	Tubing-to-Luer-lock adapter (material outside: metal; inside: glass and PTFE; with 1 m PTFE tubing) for Mobicols or laboratory columns	1

Slide Hybridizer for *In-Situ* Hybridization

LAB
SUPPLIES
MoBiTec

Portable Slide Hybridizer

Features

- Temperature / Time range: 0-100 °C / 1 min-24 hrs
- Unique slide slot design for placing and removing slides easily
- Excellent performance – precise temperature control and outstanding temperature uniformity which ensure high repeatability of experiments
- Small footprint – can be used in a clean bench or lab automation system
- Portable – compatible with 12 V DC & car charger
- Clean and maintenance free



Order Information

Order No.	Description	Amount
H2O3-ISH-CB	Slide Hybridizer	1

H₂O³-ISH is a portable slide hybridizer with an excellent price-performance ratio. The device is equipped with a 12 V DC, 5 A input therefore it can be used in field and mobile applications. A car charger adapter or a rechargeable battery pack can be ordered separately.



distributed for **COYOTE**