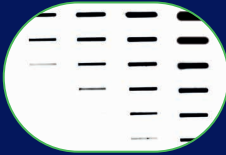
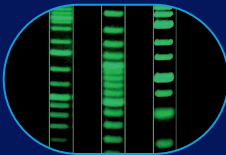


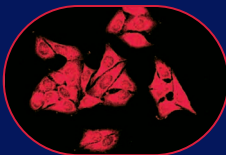
MANUFACTURER OF REAGENTS
FOR



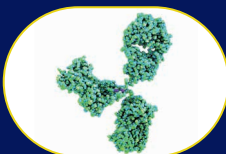
WESTERN BLOTTING/CLIA/FIA



DNA/RNA



IMAGING



PROTEINS



SERVICES



Reagents for Life Science & IVD

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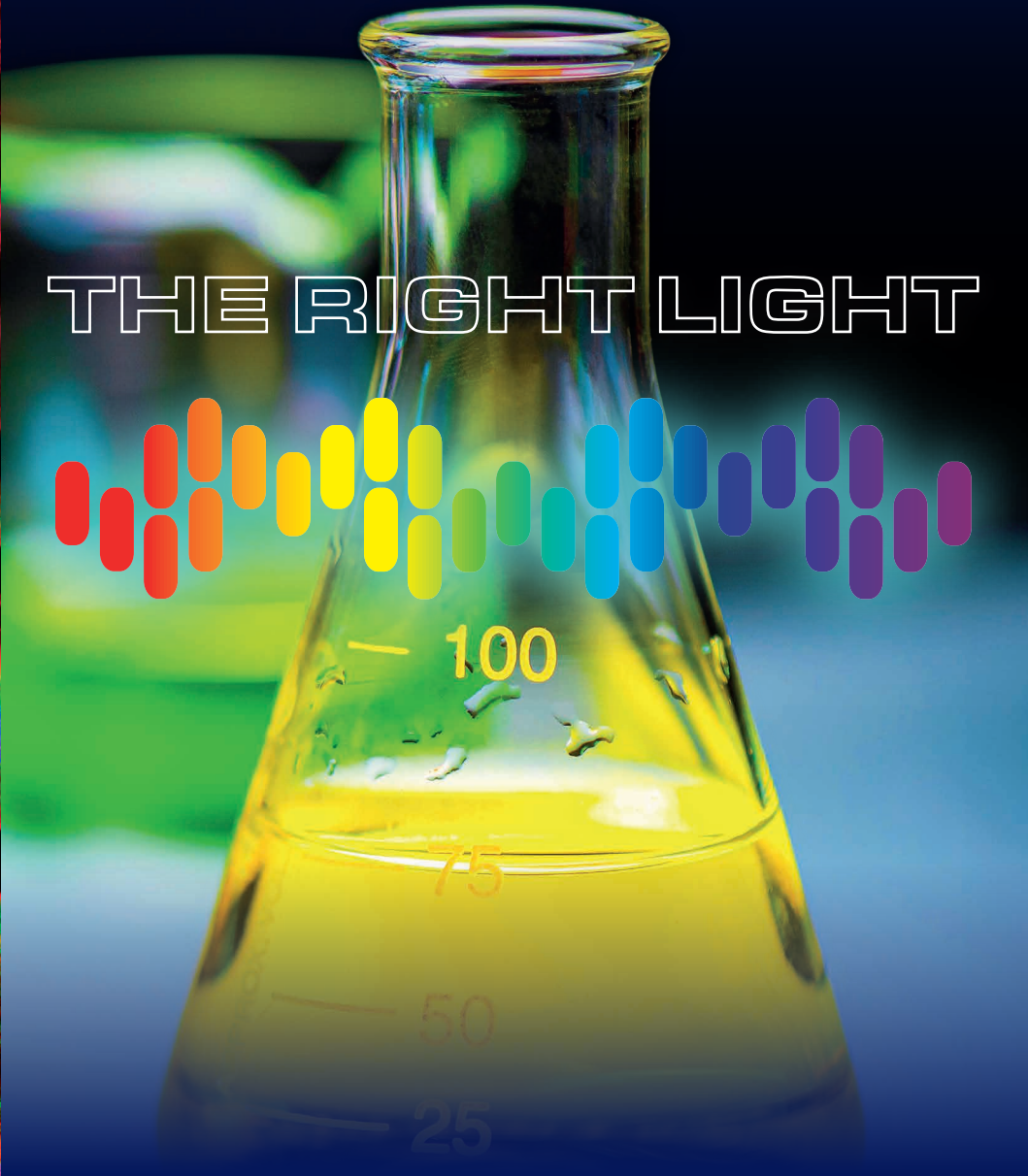
Quality certifications
ISO 9001:2015 - ISO 13485:2016



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Reagents for Life Science & IVD



THE RIGHT LIGHT

www.cyanagen.com

COMPANY PROFILE

CYANAGEN

Cyanagen Srl is an Italian biotech company founded in Bologna in 2003.

The Company's core business is designing, developing and manufacturing reagents for life sciences (RUO) and In Vitro Diagnostics (IVD). Mainly chemiluminescent substrates, fluorescent antibodies, magnetic beads, and DNA/RNA extraction kits.

Our key technologies, covered by international patents, achieve outstanding sensitivity, stability, performance and ease of use. Thanks also to the OEM sales to global companies, Cyanagen is one of the world's leading manufacturers of chemiluminescent substrates for Western blotting and ELISA/CLIA.

Cyanagen also manufactures custom products according to clients' specifications and starting materials in bulk sizes.

Thanks to its experience IVD manufacturing, Cyanagen offers support in Analytical Validation Processes and for developing molecular diagnostics & biological assays.

Cyanagen actively partners with EU universities and other companies for national and international calls.

Certifications: ISO9001:2015 - ISO13485:2016.



Cyanagen developed STAR FLUOR - 3D VASCULAR thanks to RenalToolBox (New Tools for Kidney Research), a project funded by the European Union's Horizon 2020 research and innovation programme under the **Marie Skłodowska-Curie grant agreement No 813839**. The project resulted in a patented Infra-Red marker for innovative 3D imaging of tissue vasculature for studying disease progression related to blood vessel disorders.

CHEMILUMINESCENCE

Western Blotting - ECL

ECL Substrates in Tablets

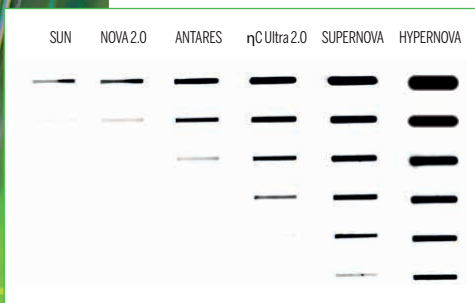


WESTAR-TAB is the eco-friendly ECL HRP substrate product line in tablets for Western blotting up to femtogram detection level.

The working solution is obtained in a few minutes, dissolving one tablet A and one tablet B in ultra-pure water. Limited use of water in the required amount at the lab, a compact green package and reduced CO2 emission in the transport due to the light kit weight make this new concept of Western blotting kit the perfect tool for the future green lab.

WESTAR-TAB SUPER is an ultra-sensitive substrate with an outstanding signal intensity, low background and stable light output at the low-femtogram level.

Two-Solution ECL Substrates



WESTAR is a patented broad two-component ECL HRP substrate product line for Western blotting.

The WESTAR line, based on proprietary technology, includes six substrates of different sensitivity levels and allows assays from picograms up to attograms amount protein detection.

WESTAR HYPERNOVA is the most potent substrate on the market due to its extreme sensitivity, allowing performance that no other top-performer on the market can barely achieve. WESTAR ANTARES and ETAC ULTRA 2.0 offer an extended signal duration of up to twenty hours.

One-Solution ECL Substrates



WESTAR-ONE is the patented single-component ECL HRP substrate product line for Western blotting.

The product line includes three sensitivity levels, from picogram to femtogram detection range.

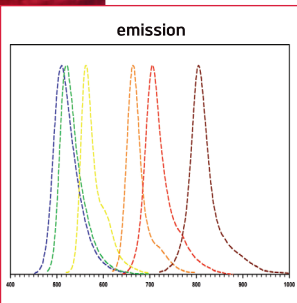
The pre-mixed solutions, based on proprietary technology, provide convenience and increased consistency in assays, avoiding pipetting errors and reducing potential cross-contamination.

WESTAR-ONE EXTREME is the only top-performing substrate in a single solution on the market.

FLUORESCENCE

Dyes and Labelled Abs

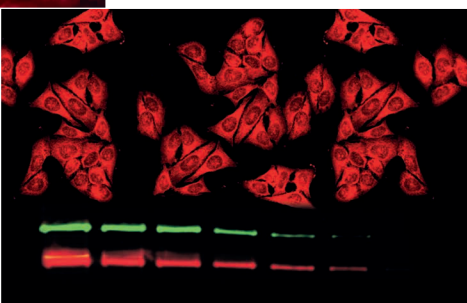
Reactive Dyes



STAR FLUOR REACTIVE DYES are a broad range of high-performance fluorescent dyes for various applications such as Western blotting, cell imaging, flow cytometry and FIA. This line of dyes covers the spectrum from 400 nm to 800 nm.

STAR FLUOR Reactive dyes are available as Amine reactive substrates in the N-hydroxy succinimide (NHS) ester form (succinimidyl esters - SE). Standard and Micro Antibody Labeling Kits are also available.

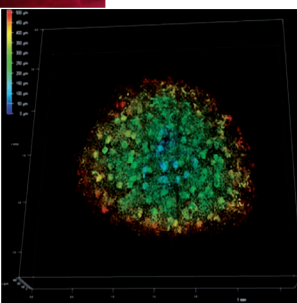
Labelled Secondary Antibodies



STAR FLUOR Abs are fluorescent, highly cross-adsorbed antibodies for the most common fluorescent immunoassays, such as Western blotting, cell imaging and flow cytometry. These antibodies ensure minimal cross-reactivity when using antibodies from different host species. The superior brightness allows the detection of a very low amount of proteins with a high signal-to-noise ratio. Antibody Labeling kits are also available.

IR-BLOT Secondary Antibodies are high-quality secondary antibodies optimised for quantitative Western blot in the infrared region. These highly cross-adsorbed antibodies, available as 700 and 800, Goat Anti-Rabbit and Goat Anti-Mouse, ensure high specific signals and low background.

Fluorescent Markers



STAR FLUOR 680/770 - 3 D VASCULAR markers, developed under EU's H2020 Marie Skłodowska-Curie grant (GA number 813839), provides a robust and reliable imaging technique for studying disease progression related to vascular disorders. The non-toxicity of these markers provides >97% cell viability, thus allowing their use in vitro, ex vivo and in vivo applications. Patented technology.

STAR FLUOR 700 - GFR marker is a near-infrared fluorescent agent for noninvasive assessment of kidney function. The marker exhibits favourable hydrophilicity, low plasma protein binding, high stability and non-toxicity. These attractive characteristics make it a near-ideal marker for in vivo measurement of glomerular filtration rate via transcutaneous device or MSOT measurement. Patented technology.

MAGNETIC BEADS

DNA/RNA Extraction kits



DNA/RNA Extraction Kits – RUO

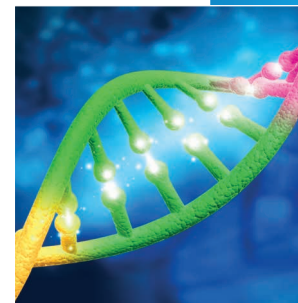
Bottle and prefilled plate (96 and 16 tests) formats for manual and automated procedures.

STAR BEADS Universal DNA/RNA extraction kit allows rapid and efficient pathogen/microbial DNA/RNA isolation from several sample types, including cells, tissues, biological fluids, food, and honey bees.

STAR BEADS DNA Extraction Kit isolates high-quality genomic DNA from various body fluids and biological samples. In combination with STAR BEADS Tissue Lysis Buffer, the kit is validated for gDNA extraction from different murine tissues.

STAR BEADS RNA Extraction Kit provides a fast and efficient purification method to isolate high-quality total RNA from up to 106 cells.

STAR BEADS cfDNA Extraction Kit provides a method to isolate high-quality cfDNA from plasma, cerebrospinal fluids and other body fluids.



DNA/RNA Extraction Kits – CE-IVD

Bottle and prefilled plate (96 and 16 tests) formats for manual and automated procedures.

STAR BEADS Viral DNA/RNA Extraction Kit allows fast and reliable nucleic acid extractions from viruses. The kits are compatible with different matrices, such as Saliva and Swabs.

STAR BEADS Pathogen DNA/RNA Extraction Kit for the detection of sexually transmitted infections, CMV, HPV, Monkey Pox, HSV-1, Neisseria, Meningitides, pathogens from plasma, urine, cerebrospinal fluid and other body fluids.

STAR BEADS Genomic DNA Extraction Kit, CE-IVD, is certified for extracting genomic DNA from whole blood and saliva



Magnetic Beads for Extraction and Purification

STAR BEADS Silanol Magnetic beads for DNA/RNA extraction are monodispersed magnetic particles, one micron (1 µm) in size, with high batch-to-batch reproducibility. These high-capacity silica-based magnetic particles are ideal for nucleic acid extraction in high quantities and purity, thus providing an easy-to-use and fast way for DNA/RNA isolation, which is compatible with manual and automated procedures.

STAR BEADS Magnetic Beads are available as magnetic silica particles functionalised with various proteins (or antibodies) such as Protein A and G, Streptavidin, etc., targeted for antibodies/protein purification and immunoprecipitation assays. These beads are highly efficient with low non-specific binding and are compatible with manual and automated protocols.



OTHER & SERVICES

OEM, Bulk, and Custom



Other Reagents

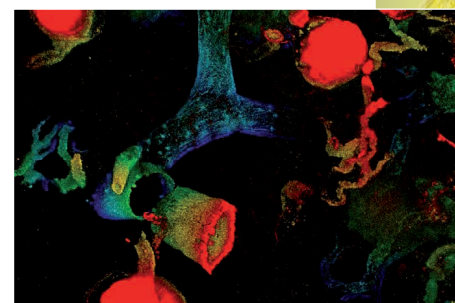
- **RENEW** Stripping Buffer: ready-to-use solution for removing antibodies from membranes
- **GREEN STAIN**: highly sensitive fluorescent detection of nucleic acids in agarose gels available as 10000x or ready-to-use loading dye
- **CROSSLINKERS**: chemical compounds used to bind covalently or conjugate biomolecules
- **BIOTIN LABELLING REAGENTS**: the product line of amine-reactive biotinylation reagents for modifying biomolecules such as proteins and amine-modified nucleic acids for Biotin/Streptavidin applications
- **GREEN QUANT** for dsDNA quantitation: accurate and sensitive quantitation of small amounts of double-stranded DNA (dsDNA) in a purified sample; compatible with a wide range of fluorimeters



Bulk and Customised Production

Chemiluminescence Substrates for Western Blotting & CLIA Three complete lines of chemiluminescence substrates, in a single-solution, two-solution, or tablet formats for the detection of picograms up to attograms amounts of protein, are available for bulk production or the manufacturing of customised, ready-for-sales kits.

Custom Fluorescent Dyes and Antibody Conjugation Cyanogen specialises in reactive fluorescent dyes and antibody conjugation suitable for different applications. With more than twenty years of dye synthesis expertise and relative conjugation, Cyanogen is ready to work on custom-dye projects according to client specifications under ISO quality certification manufacturing.



Services for Kit Manufacturers

- Customised products in bulk or fully packed kits for OEM sales
- Dedicated production of Starting Materials in bulk
- Customised Diagnostic kits
- Custom immunoassays development
- Design and synthesis of fluorescent dyes according to the client's specifications
- Customised R&D programs in the diagnostic and bioanalytical fields

