

Highlights

STAR BEADS DNA/RNA Extraction kits



STAR BEADS Viral DNA/RNA Extraction kit - READY-TO-USE FORMAT

Cyanagen designed a ready-to-use kit to extract DNA/RNA to respond to the unexpected high request for tests for COVID-19. The IVD-certified, ready-to-use kit consists of plates prefilled with all the reagents needed for the extraction; only the samples must be added. The simultaneous extraction from 32 and 96 samples takes place in just 25 minutes and does not require operator preparation. The kit avoids the need to dispense the reagents to perform the purification: the reagents are ready for use in the plates and are compatible with Thermo Fisher Scientific KingFisher™ Flex, Allsheng Auto-Pure96 Auto-Pure32A, Molgen PurePrep 96, Procomcure Phoenix-Pure96, BIOER Genepure Pro NPA-32P, MGI NE-32, BIGFISH BFEF-32 and other extraction systems.

STAR BEADS Pathogen DNA/RNA Extraction kit

Cyanagen has extended the application range to pathogen detection in human, veterinary and food diagnosis. STAR BEADS Pathogen DNA/RNA Extraction kits allow for isolating and purifying the pathogen DNA/RNA from the clinical sample and then performing the molecular test to visualize the target infection. This new kit has a dedicated formulation compared to the COVID-19 IVD-certified one, where PK and a carrier have been also added.

CYANAGEN
Reagents for Life Science & IVD

Cyanagen s.r.l.

Headquarter:

Via degli Stradelli Guelfi, 40/C
40138 Bologna (ITALY)

Registered Office:

Via Andrea Costa, 4/2
40134 Bologna (ITALY)

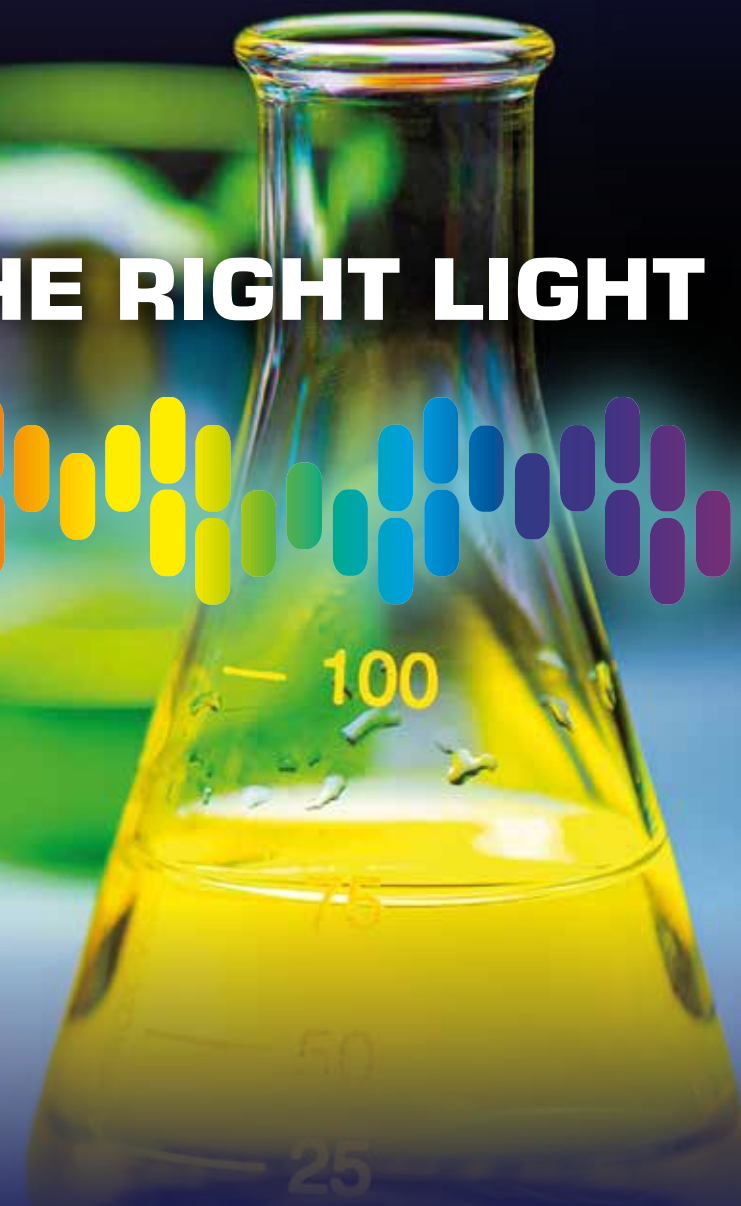
T +39 051 534063
contact_us@cyanagen.com

www.cyanagen.com

Quality certifications
ISO 9001:2015 - ISO 13485:2016

CYANAGEN
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THE RIGHT LIGHT



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CYANAGEN

COMPANY PROFILE

Cyanagen Srl is an Italian biotech company founded in 2003, UN ISO 9001:2015 and UN ISO 13485:2016 certified. Design, development and production of DNA/RNA extraction kits, Western Blotting/ELISA/CLIA chemiluminescent substrates, fluorescent dyes and labelled antibodies, and protein detection reagents are our core business.

To contribute to the fight against COVID-19, **Cyanagen** developed a Viral DNA/RNA extraction kit, CE/IVD-certified, expanding its product applications from research life science to in vitro diagnostics.

Cyanagen is one of the world's leading manufacturers of chemiluminescent substrates for Western blotting and ELISA/CLIA and also offers fluorescent dyes for biological analysis and cell imaging, genomics, proteomics, and chemical sensors. Our key technologies, covered by international patents, achieve outstanding quality and performance in sensitivity, stability and ease of use.

Cyanagen's product lines are available for OEM and OEM CUSTOM sales, according to Clients' specifications.

Cyanagen offers customized diagnostic kits, chemical compound synthesis, client support in R&D, problem-solving projects, and international calls. Customer satisfaction and product top quality are of paramount importance to us.



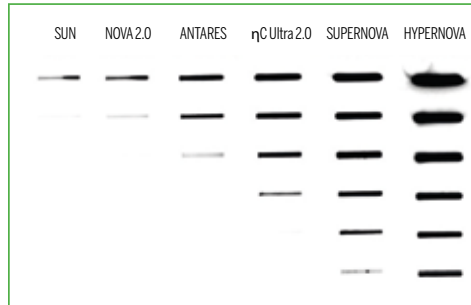
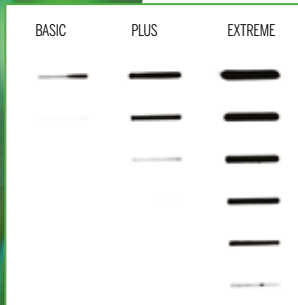
Cyanagen is part of the RenalToolBox(New Tools for Kidney Research) project funded by **Innovative Training Network (ITN) EU Marie Skłodowska-Curie actions H2020**. Cyanagen is in charge of developing near-infrared (NIR) tracers to monitor kidney function.

WESTAR-ONE - ECL SUBSTRATES FOR WESTERN BLOTTING

WESTAR-ONE is the one-component ECL HRP substrate product line for Western blotting. The product line includes three levels of sensitivity up to femtogram detection are available.

Pre-mixed solutions, based on proprietary technology, provide convenience and increased consistency in your results, avoiding pipet-ting errors and possible contaminations.

WESTAR-ONE EXTREME is the only top performer substrate single solution on the market.



WESTAR - ECL SUBSTRATES FOR WESTERN BLOTTING

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

The product line includes substrates with different sensitivity levels, allowing assays from picogram to femtogram detection range.

WESTAR HYPERNOVA is the most potent substrate on the market with its extreme sensitivity.

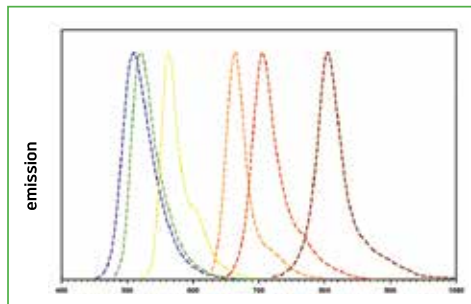
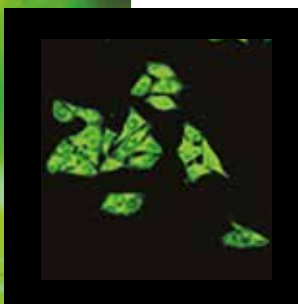
WESTAR ANTARES and ηC ULTRA 2.0 offer an extended signal duration.

STAR FLUOR 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.



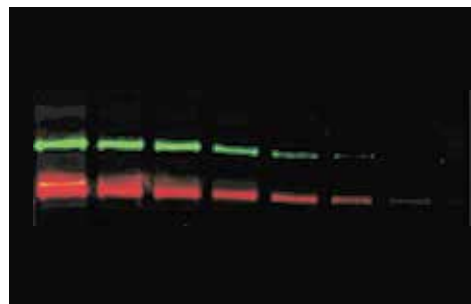
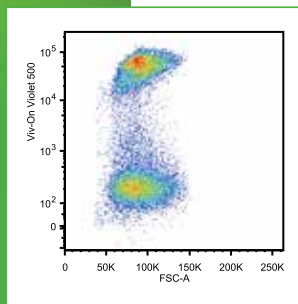
STAR FLUOR REACTIVE DYES

STAR FLOUR REACTIVE DYES are a broad range of fluorescent dyes for various applications such as Western Blotting, cell imaging and flow cytometry. The line of dyes covers a broad spectrum from 400 to 800 nm.

The STAR FLOUR reactive dyes are available as Amine-reactive substrates in the N-hydroxy succinimide (NHS) ester form (succinimidyl esters SE). The succinimidyl esters are currently the most popular and widely employed labelling tools to react with amine groups, i.e. lysine residues, present in antibodies, proteins, and any amino-containing or amino-modified biomolecule.

OTHER REAGENTS

- RENEW Stripping Buffer: ready-to-use solution for removing antibodies from membranes
- VIV-ON FIXABLE VIABILITY DYES: for live-dead cell discrimination in flow cytometry applications
- RUTHENIUM COMPLEXES: for fluorescence polarisation assays and fluorescence lifetime imaging
- CROSSLINKERS: chemical compounds used to bind covalently, or conjugate, biomolecules
- GREEN STAIN: for fluorescent detection of nucleic acids (DNA and RNA) in electrophoretic gels
- STAR BEADS Universal DNA/RNA Extraction Kit: efficient DNA/RNA purification for food and veterinary applications



IR-BLOT SECONDARY ANTIBODIES

IR-BLOT secondary antibodies are high-quality secondary antibodies optimised for quantitative Western blot in the infrared region.

These antibodies are highly cross-adsorbed, so ensuring extremely low background and specific signal.

IR-BLOT secondary antibodies are available as 700 and 800, Goat anti-Rabbit and Goat anti-Mouse.

STAR BEADS Viral DNA/RNA Extraction Kit CE-IVD for COVID-19

CE-IVD kit based on magnetic beads technology, compatible with COVID-19 diagnosis.

- Compatible with different matrices such as Saliva, Swabs.
- Available in BOTTLE and the READY-TO-USE 96 - 32 test PREFILLED PLATE Formats for KingFisher™ Flex, Allsheng, Molgen, Procomcure, BIOER, BIGFISH and other extractors.
- Extractions in 25 minutes for 96 samples and 22 minutes for 32 samples.



MAGNETIC BEADS ON REQUEST

STAR BEADS Magnetic Beads are ideal for purifying or isolating nucleic acids from various sources.

They can be used to develop customized nucleic acid isolation and extraction methods.

Customization includes surface activation, Exomes, Streptavidin, T cell activation, cell isolation, Immunoprecipitation and other functionalizations.



STAR BEADS Pathogen DNA/RNA Extraction Kit CE-IVD for Pathogenic Diseases

CE-IVD kit based on magnetic beads technology, compatible for diagnosis of COVID-19, sexually transmitted infections, CMV, HPV, Monkey Pox, pathogens from plasma, urine and other body fluids.

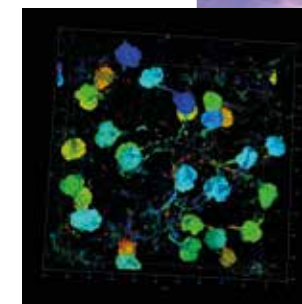
- DNA and RNA isolation in the same extraction.
- All-in one kit for different pathogens analysis.
- Available in 96, 32, single test prefilled plate formats.
- The kit is for Allsheng, Molgen, Procomcure, BIOER, BIGFISH and other extractors.
- Extractions in 30 minutes for 96 and 32 sample kits.



FLUORESCENT PROBES

STAR FLOUR fluorescent dyes are a series of fluorescent dyes ranging from 400 to 800 nm. They show extraordinary high brightness for more sensitive detection, excellent photostability, and water solubility.

STAR FLOUR fluorescent dyes are available for customization with various reactivities and conjugates with biomolecules, polymers, etc., for many applications such as flow cytometry and PCR.



STAR BEADS Genomic DNA Extraction Kit COMING SOON

- Based on magnetic beads technology
- Valid for the isolation of genomic DNA from whole blood, saliva, tissues and cultured cells
- Available in both BOTTLE and the 96 - 32 test PREFILLED PLATE formats.
- Extraction time is 30 minutes for 96 samples and 32 samples
- Direct usage of extracted genomic DNA in downstream applications
- CE-IVD soon



ELISTAR - ECL SUBSTRATES FOR IMMUNOASSAY MANUFACTURER

ELISTAR are ultrasensitive chemiluminescent substrates for horseradish peroxidase (HRP) based immunoassays dedicated to OEM sales.

ELISTAR are ideal substrates when developing chemiluminescent immunoassays such as ELISA or CLIA due to the different sensitivity levels within the class.

Available in single and two solution formats. Different kinds of substrates from high levels of sensitivity to high signal duration.

