Nova Load 6X Loading Dye Orange G

Reference: AB15019

INTENDED USE AND PRESENTATION:

This Loading dye is widely used in molecular biology research.
AB15019, 6 mL. 6x1 mL.
For research use only.

SUMMARY, EXPLANATION AND LIMITATIONS:

Nova Load 6x Loading Dye contains orange G and xylene cyanol FF. The ready-to-use solution can be used for loading samples on agarose or polyacrylamide gels.
Quality control: Functionally tested for DNA sample loading on agarose gel electrophoresis.

APPLICATIONS:

Nova Load 6X Loading Dye orange G is a loading dye commonly used gel to make estimating sample migration simple and reliable.

PRODUCT COMPOSITION:

10 mM TrisHCl (pH 7,6), 0,15% orange G, 0,03% xylene cyanol FF, 60% glycerol, 60 mM EDTA.

METHODS AND PROCEDURE:

Loading Dye Solution for direct loading onto agarose gels.

REQUIRED MATERIALS BUT NOT SUPPLIED:

All reagents, materials, and laboratory equipment for PCR and determination procedures are not provided with this reagent. This includes sterile reaction tubes, micropipettes and tips, template DNA, gen-specific PCR primer pair, dNTPs mixture, PCR grade H_2O, heat pretreatment equipment (thermoblock, microwave), centrifuge, cold store and thermal block cycler.
Buffered solutions for DNA extraction or purification, enzyme treatments, highly sensitive detection systems, and other auxiliary reagents are available from Gennova Scientific.

STORAGE AND STABILITY:

Store at -20°C until the expiration date printed on product label. Avoid prolonged exposure to light. Avoid multiple freeze-thaw cycles and exposure to frequent temperature changes. Do not use after the expiration date. If the product is stored under different conditions from those stipulated in these technical indications, the new conditions must be verified by the user. The validity period of the ready to use products when opened, is the same as the expiration date indicated on the label of intact product.
Gennova Scientific guarantees that the product will maintain all of the described characteristics from the production date until the expiration date, as long as the product is stored and used as recommended. No other guarantees are provided. Under no circumstances Gennova Scientific is obliged to cover damages caused by use of this reagent.

TROUBLESHOOTING:

If unusual banding is observed or any other deviations from the expected results, please read these instructions carefully, along with the instructions from the PCR and determination systems. If this does not solve the problem, please contact Gennova Scientific's technical support department (techsupport@gennovalab.com) or your local distributor.

PRECAUTIONS:

Use only by qualified personnel.
Use proper protective equipment in order to avoid contact with reagents and samples in the eyes, skin, and mucosal tissues. In case of contact with sensitive areas, immediately flush the affected area with water. Avoid microbial contamination of the reagent, as this may produce nonspecific amplification results.
Material safety data sheet (MSDS) is available upon request.

PERFORMANCE CHARACTERISTICS:

Gennova Scientific has performed studies to evaluate the functioning of this ladder for use with standard visualization and determination systems, concluding that the product is both specific and sensitive for determination performance.

BIBLIOGRAPHY:

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Lo Y.M., Mehal W.Z., Fleming K.A., "Rapid production of vector-free biotinylated probes using the polymerase chain reaction", Nucleic Acids Research, 16(17), 8719, 1988.
Erlich H.A., (ed.) 1988, "PCR technology: principles and applications for DNA amplification", Stockton Press, New York.

REF Catalog number | LOT Batch code | RUO Research use only
Temperature limitation | Expiration date
Manufacturer | See instruction for use

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