



www.mypols.de
support@mypols.de
T +49(0)7531 122 965 00

GreenDye 20x

#2000

Store at -20°C in absence of light

Contents

GreenDye 20x fluorescent nucleic acid dye contains a 20x concentration of the DNA binding GreenDye real-time dye.

Description

GreenDye binds to the minor groove of DNA without inhibiting DNA polymerases at the recommended concentration of 1x.

It is compatible with all real-time PCR cyclers that support the common SYBR or FAM channels.

GreenDye is thermally stable for more than 50 cycles and offers reproducible results in a numerous set of applications. The validation of results benefits from distinct peaks in melting curve analysis.

Recommendations for PCR/ Reaction Setup

It is recommended to use GreenDye at 1x concentration.

For example, add 1.25 µL GreenDye to each reaction à 25 µL. The fluorescence is measured at the usual SYBR/FAM channels.

Cycler compatibility

This product is compatible for the use with any block-based qPCR cycler that supports the usual SYBR/FAM channels.

Recommendations for sample handling

- The real-time dye is light sensitive: exposure should be minimized.
- For a day-to-day use, we recommend keeping an aliquot at 4°C.

Usage

The product is for research use only and may be used for in-vitro experiments only.

Quality Control Assays

GreenDye 20x is tested together with HiDi DNA polymerase (#9001) in a real-time PCR. A sequence in genomic HeLa DNA is used as a target to validate c_t - and fluorescence values of GreenDye at 1x concentration.

Please inquire more information at info@mypols.de for lot-specific information.

No contamination has been detected in standard test reactions.

Safety

This product does not require a Material Safety Data Sheet because it does neither contain more than 1% of a component classified as dangerous or hazardous nor more than 0.1% of a component classified as carcinogenic. However, we generally recommend the use of gloves, lab coats and eye protection when working with these or any other chemical reagents. myPOLS Biotec takes no liability for damage resulting from handling or contact with this product. Further information can be found in the REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.