



PCRBIO SYSTEMS
simplifying research

Fluorescent Dye

www.pcrbio.com

Product description

PCR Biosystems' Fluorescent Dye is a nucleic acid dye that becomes highly fluorescent upon binding to dsDNA. It is provided as a 20x stock reagent.

The dye is ideal for a wide variety of applications including qPCR, high resolution DNA melt curve analysis and isothermal amplification.

It is a green fluorescent dye with an excitation maximum at 482 nm and fluorescent emission maximum at 512 nm, so it can be visualized in every qPCR instrument by selecting the FAM channel.

The dye is particularly suitable for use with the IsoFast™ Bst Polymerase products, catalogue number PB80.10-01 and PB80.10-08.

Shipping and storage

On arrival the kit should be stored between -30°C and -15°C. Avoid prolonged exposure to light and keep on ice when in use.

The kit can go through 10 freeze/thaw cycles with no loss of activity. Therefore we recommend to aliquot the Fluorescent Dye at the first use.

If stored correctly the kit will retain full activity for 12 months.

Component	200 Reactions	1000 Reactions
20x Fluorescent Dye	2 x 125µL	2 x 625µL

Limitations of product use

The product may be used for in vitro research purposes only.

Technical support

Help and support is available on our website at <https://pcrbio.com/resources/> including answers to frequently asked technical questions. For technical support and troubleshooting please email technical@pcrbio.com with the following information:

- Amplicon size
- Reaction setup
- Cycling conditions
- Screen grabs of amplification traces