**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. If stored correctly the kit will retain full activity for 12 months. We recommend aliquoting the fluorescent dye at the first use to avoid excess freeze/thaws.

**Component**

<table>
<thead>
<tr>
<th>Component</th>
<th>200 Reactions</th>
<th>1000 Reactions</th>
</tr>
</thead>
<tbody>
<tr>
<td>20x Fluorescent Dye</td>
<td>2 x 125µL</td>
<td>2 x 625µL</td>
</tr>
</tbody>
</table>

**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/](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