



## 6x DNA Loading Dye Buffer Orange and Blue

Cat. No.	Pack Size
07-03-0000S	0.1 ml SAMPLE
07-03-00001	1 ml
07-03-00010	10 ml

For *in vitro* use only

### Description:

6x DNA Loading Dye Buffer Orange and Blue can be used for loading DNA samples (PCR products, restriction fragments) on agarose or polyacrylamide gel. In 1% agarose gel Orange G comigrates with ~40 bp (1 x TBE) or ~60 bp (1 x TAE) fragments and Xylene Cyanole FF comigrates with ~3500 bp (1 x TBE) or ~5000 bp (1 x TAE) fragments.

### Reagent Composition:

Orange G, Xylene Cyanole FF, TRIS-HCl, EDTA and Ficoll

### Features:

No interaction with the borate on TBE gels is observed, altering local pH due to the Ficoll component.

### Shipping and Storage conditions:

Store at room temperature or at 4°C.  
For longer periods, store at -20°C.

### Recommendations:

Mix 1 volume of Orange and Blue Dye with 5 volumes of your DNA sample and load into the gel.

### Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

*Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.*

### Related products:

Product name	Pack size	Cat. No.
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	500 U	01-01-00500
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	1000 U	01-01-01000
<b>FIREPol<sup>®</sup> DNA Polymerase</b>	2000 U	01-01-02000
<b>HOT FIREPol<sup>®</sup> DNA Polymerase</b>	500 U	01-02-00500
<b>HOT FIREPol<sup>®</sup> DNA Polymerase</b>	1000 U	01-02-01000
<b>5x FIREPol<sup>®</sup> Master Mix</b> (1.5 mM MgCl <sub>2</sub> final conc.)	250 reactions	04-11-00115
<b>5x FIREPol<sup>®</sup> Master Mix</b> (2.5 mM MgCl <sub>2</sub> final conc.)	250 reactions	04-11-00125
<b>5x FIREPol<sup>®</sup> Master Mix Ready to Load</b> (1.5 mM MgCl <sub>2</sub> final conc.)	250 reactions	04-12-00115
<b>5x FIREPol<sup>®</sup> Master Mix Ready to Load</b> (2.5 mM MgCl <sub>2</sub> final conc.)	250 reactions	04-12-00125
<b>dNTP MIX (20 mM of each)</b>	20 µmol	02-31-00020
<b>dNTP MIX (20 mM of each)</b>	100 µmol	02-31-00100
<b>dNTP SET (100 mM)</b>	4 x 25 µmol	02-21-00100
<b>dNTP SET (100 mM)</b>	4 x 100 µmol	02-21-00400