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## 6×DNA Loading Buffer

**Product Number: EP0101**

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### Shipping and Storage

Store at 4°C (long term) or RT (short term).

### Description

6×DNA Loading Buffer is a buffer used with DNA samples during agarose gel electrophoresis. It contains dye for sample visualization during the load and to track DNA sample migration during the run. 6×DNA Loading Buffer contains one tracking dye, bromophenol blue, that appears purple in color.

When run in a 1% agarose gel (using 1×TBE, for example), bromophenol blue migrates approximately equivalent to a 300bp fragment.

### Buffer Composition

1. 50% glycerol
2. 10mM EDTA
3. 2.5% bromophenol blue

### Package

Product Number	EP00101	EP00101
Volume	5ml	10ml

### Protocol

1. Make a 1:5 combination of 6×DNA Loading Buffer: DNA. For example, add 5μL DNA Loading Buffer directly to a 25μL PCR reaction. Alternatively, add 1μL DNA Loading Buffer to 5μL DNA.
2. Mix once or twice (i.e. pipette up and down) the DNA Loading Buffer-DNA combination and slowly pipette into the well of an agarose gel.