

Ver. 23061

6X DNA loading buffer

(with bromophenol blue)
Cat.No.: ORT201-01

Description: This product is used for easy loading and tracking of DNA samples in agarose or polyacrylamide gels. The presence of glycerol ensures that the DNA in the sample forms a layer at the bottom of the well. Mix 6X DNA loading buffer with DNA sample at a volume ratio of 1:5 and then load to DNA samples.

Product contents:

- 1) 6X DNA loading buffer with bromophenol blue (5×1mL)

Storage

- Short-term storage (less than 6 months: 2°C to 8°C)
- Long-term storage (more than 6 months: –20°C). Stable for 2 years.

Notes

- In a 0.5-1.4% agarose gel, bromophenol blue migrates at approximately 300bp DNA fragments.
- Mobility of bromophenol blue in different concentrations of polyacrylamide gels:

Concentrations of non-denaturing polyacrylamide gels	Bromophenol blue
3.5%	100bp
5.0%	65bp
8.0%	45bp
12.0%	20bp
20.0%	12bp

bp indicates DNA fragment length which moves the same distance with pigment