

5X DNA Gel Loading Solution

Catalog #: 351-028-661EA 10mL
351-028-661 5 x 100mL

Store at: 15°C to 30°C
Shipped at: ambient temperature

Description

Quality Biological's (QBI) DNA Gel Loading Solution (5X) is prepared according to Sambrook, Fritsch & Maniatis (1989)¹. The purpose of this reagent is to ensure that DNA samples remain submerged in the wells of the gel, by making them more dense than the electrophoresis buffer.

Applications

The following are two examples where DNA Gel Loading Solution (5X) may be usefully employed:

- *DNA gel electrophoresis*³
- *Southern Blot Analysis*³

Directions for Use

1. Using all the necessary precautions associated with working with DNA, add the following items to a DNase-free microcentrifuge tube:

____ μL Sample
1.0 μL 1.0mg/mL Ethidium Bromide (optional)
4.0 μL DNA Gel Loading Solution (5X)
____ μL Molecular Biology Grade Water
(Catalog # 351-029)

20.0 μL Total Volume

Quality Control

General

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

All QBI products for Molecular Biology are prepared according to standard published protocols^{1,2} or to formulations provided by customers.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

Product Specific Testing

DNA Gel Loading Solution (5X) is routinely tested for the absence of DNase activity.

The test results of individual lots of DNA Gel Loading Solution (5X) are available on the QBI website.

All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.

References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, a Laboratory Manual, 2nd Edition.*, Cold Spring Harbor Press
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology*. Green Publishing Associates, Inc., in association with John Wiley & Sons, Inc.
3. Davis, L.G. Dibner, M.D. & Battey, J.F. (1986) *Basic Methods in Molecular Biology*. Elsevier Science Publishing Company, Inc.

Related Products

DEPC Treated Water

Catalog #	351-065-721EA	100mL
	351-068-721	Pack of 4 x 100mL
	351-068-131	1000mL
	351-068-131CS	10 x 1000mL
	351-068-491	4 Liters
	351-068-151	10 Liters
	351-068-161	20 Liters

Molecular Biology Grade Water

Catalog #	351-029-721EA	100mL
	351-029-721	Pack of 4 x 100mL
	351-029-101	500mL
	351-029-101CS	10 x 500mL
	351-029-131	1000mL
	351-029-131CS	10 x 1000mL
	351-029-491	4 Liters
	351-029-151	10 Liters
	351-068-161	20 Liters