

## DNA Denaturing Solution

**Catalog #:** 351-013-131 1000mL

**Store at:** 15°C to 30°C

**Shipped at:** ambient temperature

### Description

Quality Biological's (QBI) DNA Denaturing Solution is prepared from Molecular Biology Grade sodium chloride (NaCl) and ACS Grade sodium hydroxide (NaOH) using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is sterile filtered through a 0.2 µm filter membrane.

### Applications

DNA Denaturing Solution is used to denature fractionated DNA prior to the transfer from an electrophoresis gel to nitrocellulose or nylon membrane. Following DNA denaturation, the gel must be neutralized by soaking in DNA Neutralizing Solution

### Quality Control

#### General

All Quality Biological products for Molecular Biology are prepared according to standard published protocols.<sup>1,2</sup> All products are subjected to a variety of quality control procedures, including pH and osmolality determinations in order to validate the product is within its specifications.

#### Product Specific Testing

DNA Denaturation Solution is routinely tested for the absence of DNase activity.

*The test results of individual lots of DNA Denaturing Solution are available on the Quality Biological website.*

### References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual, 2<sup>nd</sup> Ed.* Cold Spring Harbor Laboratory Press.
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology.* Greene 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

#### 20X SSC

Catalog #	351-003-101	500mL
	351-003-131	1000mL
	351-003-151	10 Liters

#### 5X DNA Gel Loading Solution

Catalog #	351-026-661EA	10mL
	351-026-661	Pack of 5 x 10mL

#### 20X SSC

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
	351-026-491	4L
	351-029-151	10L
	351-029-161	20L

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