

5M Sodium Chloride (Molecular Biology Grade)

Catalog #: 351-036-721EA 100mL
351-036-721 4 x 100mL
351-036-101 500mL

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

Description

Quality Biological's (QBI) 5M Sodium Chloride is prepared from molecular biology grade sodium chloride using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is passed through a 0.2µm filter and sterilized.

Applications

In conjunction with ethanol, 5M Sodium Chloride is widely used in molecular biology to precipitate nucleic acids. The following is an example of where 5M Sodium Chloride may be usefully employed:

- *Precipitating nucleic acids (in combination with ethanol or propanol).¹*

Quality Control

General

All Quality Biological products for Molecular Biology are prepared according to standard published protocols.^{1,2} 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

5M Sodium Chloride is routinely tested for the absence of DNase, RNase and Protease activity. Protocols are shown on the next page.

The test results of individual lots of 5M Sodium Chloride are available on the Quality Biological website.

References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual*, 2nd 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. Harbor Laboratory Press.

Related Products

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

Related Products

1X Tris EDTA, pH 7.4 (1X TE, pH 7.4)

Catalog #	351-010-721EA	100mL
	351-010-721	Pack of 4 x 100mL
	351-010-131	1000mL

1X Tris EDTA, pH 8.0 (1X TE, pH 8.0)

Catalog #	351-011-721EA	100mL
	351-011-721	Pack of 4 x 100mL
	351-011-131	1000mL

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