

1M Potassium Chloride (Molecular Biology Grade)

Catalog #:	351-044-101	500mL
Store at:	15°C to 30°C	
Shipped at:	ambient temperature	

Description

Quality Biological's (QBI) 1M Potassium Chloride is prepared from ACS Grade potassium chloride (KCl) using Quality Biological's Molecular Biology Grade (MBG) Water. The final product is passed through a 0.2µm filter and sterilized.

Applications

Potassium Chloride is a monovalent metallic salt employed as a component in certain molecular biology procedures. The following is an example of where 1M Potassium Chloride may be usefully employed:

- *Spermine Cleanup*³

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

1M Potassium Chloride is routinely tested for the absence of DNase, RNase, and Protease activity.

The test results of individual lots of 1M Potassium 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

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

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