

## 3M Sodium Acetate, pH 5.2 (Molecular Biology Grade)

**Catalog #:** 351-035-721EA 100mL  
351-035-721 4 x 100mL

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

### Description

Quality Biological's (QBI) 3M Sodium Acetate, pH 5.2 is prepared from molecular biology grade sodium acetate trihydrate using Quality Biological's Molecular Biology Grade (MBG) Water. The pH is adjusted to 5.2 with glacial acetic acid. The final product is passed through a 0.2µm filter and sterilized.

### Applications

Sodium Acetate can be used to precipitate nucleic acids. The following are examples of where 3M Sodium Acetate, pH 5.2 may be usefully employed:

- *DNA Applications* (e.g., DNA precipitation)<sup>3</sup>
- *RNA Applications* (e.g., RNA extraction and precipitation)<sup>3</sup>

### 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*

3M Sodium Acetate pH 5.2 is routinely tested for the absence of DNase and RNase activity. Protocols are shown on the next page.

*The test results of individual lots of 3M Sodium Acetate, pH 5.2 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****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

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