



# Product Specifications

## ISOPROPYNOL Biotechnology Grade

<u>Catalog #</u>	<u>Size</u>
IB15730	500ml
IB15735	1L

### Physical Specifications

CAS#	67-63-0
Formula Weight	60.09
Molecular Formula	C <sub>3</sub> H <sub>7</sub> OH
Purity	99%
Density	0.782 – 0.788g/ml
Moisture (kf)	0.02%
Color (APHA)	< = 10

### Molecular Biology Specifications

DNase assay	None Detected
RNase assay	None Detected

### Recommended Use

Isopropynol is widely used for precipitating, nucleic acids. The nucleic acid precipitate, which is formed in the presence of moderate concentrations of monovalent cations, is recovered by centrifugation and redissolved in an appropriate buffer at the desired concentration.

The three major variables associated with this procedure include:

- (1) The temperature at which the precipitate is formed
- (2) Type and concentration of the monovalent cations used in the precipitate mixture.

Most commonly used cations:

- Ammonium acetate (removes the dNTPs therefore do not use as phosphorylating a nucleic acid.)
- Lithium chloride (used for RNA precipitation)
- Sodium chloride (used for precipitating DNA samples contains SDS)
- Sodium acetate (used for routine DNA and RNA precipitations)

- (3) Time and speed of centrifugation.

### Storage

Store at room temperature inside a flame proof cabinet.

### Warning

Irritant. Flammable liquid. May be harmful or fatal if swallowed. Avoid breathing vapors. Keep away from heat or flame. Do not take internally. See material Safety Data Sheet for additional information.