

# Product Specifications



SCIENTIFIC

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## 70% ETHANOL (Anhydrous-Alcohol)

Product Number

IB15727

Size

10L

CAS NO.

CAS# \_\_\_\_\_ N/A

### PHYSICAL SPECIFICATIONS

Specific Gravity _____	0.8800 Max.
Ethanol _____	95%
Methanol _____	5%
Water Content _____	28 - 32%
DNase assay _____	None Detected
RNase assay _____	None Detected

### STORAGE

Store at room temperature inside a flame proof cabinet.

### RECOMMENDED USE

IBI Ethanol 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. There are 3 major variables associated with this procedure listed below:

- 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 containing SDS)
  - Sodium acetate (used for routine DNA and RNA precipitations)
- 3.) Time and speed of centrifugation

### WARNING

**Classification:** Flammable Liquid - 1  
Specific Target Organ Toxicity (Single) - 1  
Serious Eye Damage/Eye Irritation - 2

**Hazard Statements:** H225-Highly flammable liquid and vapor • H319-Causes serious eye irritation • H370-Causes damage to organs

**Precautionary Statements:** P260-Do not breathe dust/fume/vapors/spray • P264-Wash face, hands, and any exposed skin thoroughly after handling • P270-Do not eat, drink, or smoke when using this product • P307+P311-IF EXPOSED: Call a POISON CENTER or doctor/physician • P405-Store locked up • P501-Dispose of contents/container to an approved waste disposal plant.



**DANGER!**

**FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY**

Building Quality Scientific.