

Product Specifications



SCIENTIFIC

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ISOPROPANOL Biotechnology Grade

Product Number

IB15730

IB15735

Size

500ml

1L

CAS NO.

CAS# _____ 67-63-0

PHYSICAL SPECIFICATIONS

Molecular Formula	C ₃ H ₇ OH
Molecular Weight	60.09
Purity	99%
Moisture (KF)	0.02%
Density	0.782 - 0.788g/ml
Color (APHA)	≤ 10
DNase assay	None Detected
RNase assay	None Detected

STORAGE

Store at room temperature inside a flame proof cabinet.

RECOMMENDED USE

IBI Isopropanol 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 - 2
Specific Target Organ Toxicity (Single) - 3
Serious Eye Damage/Eye Irritation - 2

Hazard Statements: H319-Causes serious eye irritation • H336-May cause drowsiness or dizziness • H225-Highly flammable liquid and vapor

Precautionary Statements: P210-Keep away from heat/spark/open flames/hot surfaces. No smoking • P233-Keep container tightly closed • P240-Ground/Bond container and receiving equipment • P241-Use explosion-proof electrical/ventilating/lighting/equipment • P242-Use only non-sparking tools • P243-Take precautionary measures against static discharge • P261-Avoid breathing dust/fumes/gas/mist/vapors/spray • P264-Wash face, hands, and any exposed skin thoroughly after handling • P271-Use only outdoors or in a well-ventilated area • P280-Wear protective gloves/protective clothing/eye protection/face protection • P303+P361+P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower • P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing • P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing • P312-Call a POISON center or doctor if you feel unwell • P337+P313-If eye irritation persists: Get medical advice/attention • P370+P378-In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish • P403+P233-Store in a well-ventilated place. Keep container tightly closed • P403+P235-Store in a well-ventilated place. Keep cool • P405-Store locked up • P501-Dispose of contents/container to an approved waste disposal plant • P501-Dispose of contents/container to industrial incineration plant



DANGER!

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.