

Phenol:Chloroform:Isoamyl Alcohol (25:24:1), 100ml PG-961-100ML

Phenol:Chloroform Alcohol (25:24:1) is a molecular biology-grade reagent mixture widely used for the extraction and purification of DNA, RNA, and proteins from biological samples. This optimized formulation efficiently separates nucleic acids from proteins, lipids, and other cellular contaminants through liquid-liquid extraction. The addition of isoamyl alcohol minimizes foaming and improves phase separation, resulting in enhanced recovery of high-quality nucleic acids.

Parameter	Specification
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Product Name	Phenol:Chloroform Alcohol (25:24:1)
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Composition	Phenol : Chloroform : Isoamyl Alcohol (25:24:1, v/v/v)
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Grade	Molecular Biology Grade
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Appearance	Clear, colorless to pale yellow liquid
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Phenol Quality	Equilibrated and stabilized
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pH	7.8 – 8.2 (for DNA extraction)
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RNase Activity	None Detected
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DNase Activity	None Detected
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Protease Activity	None Detected
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Solubility	Immiscible with water
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Storage	: RT
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Applications: Genomic DNA extraction, Plasmid DNA purification, Total RNA isolation, Protein removal from nucleic acid preparations, Molecular cloning workflows etc.

Safety

Harmful if inhaled, swallowed, or absorbed through skin. Suspected carcinogen. May cause liver, kidney, and central nervous system damage following prolonged or repeated exposure. Use in a well-ventilated area and wear appropriate PPE including gloves, lab coat, and safety goggles. Avoid contact with skin, eyes, and clothing. Store away from heat and incompatible materials.