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Product Information

Phenol:Chloroform:Isoamyl Alcohol 25:24:1 Saturated with 10 mM Tris, pH 8.0, 1 mM EDTA Supplied with Equilibration Buffer, for molecular biology

Catalog Number **P2069**
Storage Temperature 2–8 °C

Product Description

Phenol:Chloroform:Isoamyl Alcohol (25:24:1) reagent is used for the extraction of nucleic acids. For applications requiring a higher pH, such as the isolation of large intact genomic DNA, addition of the Equilibration Buffer is recommended.

pH: 6.7±0.2 (pH of phenolic phase, saturated with 10 mM Tris, pH 8.0, 1 mM EDTA)

pH: 8.0±0.2 (pH of phenolic phase after the addition of Equilibration Buffer)

Components

The Phenol:Chloroform:Isoamyl Alcohol (25:24:1) reagent is supplied with Equilibration Buffer, Catalog Number B5658.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Add the entire contents of the small bottle of Equilibration Buffer to the large bottle of Phenol:Chloroform:Isoamyl Alcohol reagent. Mix gently and allow the phases to separate before use, 2–4 hours. This will adjust the pH of the phenol phase from pH 6.7±0.2 to 8.0±0.2.

Storage/Stability

Store the product at 2–8 °C.

After the addition of Equilibration Buffer, the product is stable for 6 months compared to 2 years without added Equilibration Buffer. Storage at –20 °C protected from light extends the shelf life to greater than 1 year after the addition of Equilibration Buffer.

Reference

1. Sambrook, J. *et al.*, in Molecular Cloning: A Laboratory Manual, Second edition, Cold Spring Harbor Laboratory Press, (Plainview, New York:1989), p. E.3-E.4.

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