

## UltraPure™ Buffer-Saturated Phenol

**Cat. No: 15513-039**

**Size: 100 mL**

**Store at 2°C to 8°C.**

**Cat. No: 15513-047**

**Size: 400 mL**

**Warning:** Phenol is toxic if it comes into contact with skin, or if swallowed. Causes burns. Harmful if inhaled. After contact with skin, wash immediately with plenty of detergent and water. Immediately remove all contaminated clothing. If you feel unwell, seek medical advice (show label to medical personnel if possible).

### Contents

Phenol and water

### Description

UltraPure™ Buffer-Saturated Phenol is prepared from a redistilled, highly pure grade of phenol by repeated extraction with aqueous Tris-HCl buffer (pH = 8.0). The final product has a pH  $\geq 7.4$  at 25°C. It is free from interfering levels of heavy metals and antioxidants, including hypophosphorous acid. The solution is ready to use, suitable for phenol extraction of nucleic acid solutions. It is packaged in amber bottles under argon to enhance stability. At 15–30°C, the product appears as one clear, homogeneous phase. At 2–8°C, it may appear as a clear, homogeneous phenol phase (lower), overlaid by a small aqueous phase.

### Instructions for Use

Equilibrate to 15–30°C, then swirl thoroughly to form a single, clear, homogeneous phase. Unscrew cap, and remove desired amount of material. Alternatively, use the lower, clear, organic layer at 2–8°C. To retain the protective argon layer in the bottle, remove partial volumes of phenol by pipetting.

### Storage Considerations

Improperly stored phenol can undergo oxidation. Oxidized phenol appears yellow or red in color when saturated with water or buffer. To extend product stability, flush the gas volume above the solution with argon or nitrogen after each use.

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