

10X TE Buffer, pH 8.0, 500 ml**PG-211-500ML**

10X TE Buffer (Tris-EDTA Buffer) is a ready-to-use molecular biology reagent widely used for the storage, dilution, and protection of DNA and RNA. The Tris component maintains a stable pH environment, while EDTA chelates divalent metal ions that can promote nuclease activity, thereby helping preserve nucleic acid integrity during storage and downstream applications. The standard 10X formulation contains 100 mM Tris-HCl and 10 mM EDTA at pH 8.0.

Parameter	Specification
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Product Name	10X TE Buffer, pH 8.0
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Description	Ready-to-use Tris-EDTA buffer for nucleic acid storage, dilution, and molecular biology applications
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Composition	100 mM Tris-HCl, 10 mM EDTA
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Concentration	10X
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pH	8.0 ± 0.1
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Appearance	Clear, colorless solution
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Sterility	Sterile filtered
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DNase Activity	None detected
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RNase Activity	None detected
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Protease Activity	None detected
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Solubility	Miscible with water
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Recommended Dilution	Dilute 1:10 with nuclease-free water to prepare 1X TE Buffer
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Storage Condition	: RT
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Pack Size	500 mL
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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.