

PHENOL SATURATED (pH6.6/7.9) , 100ml**PG-5490-100ml**

Phenol Saturated (pH 6.6/7.9) is a molecular biology grade reagent used for DNA and RNA extraction and purification. pH 6.6 is typically used for RNA isolation, while pH 7.9 is used for DNA isolation. Store at 2–8 °C, protected from light. Handle with care as phenol is corrosive and toxic.

Product Name	Phenol Saturated (pH 6.6 / 7.9)
Description	Molecular biology grade phenol equilibrated with buffer to a specific pH. Used for nucleic acid extraction and purification. pH 6.6 phenol is typically used for RNA isolation, while pH 7.9 phenol is commonly used for DNA extraction.
Molecular Weight	94.11 g/mol
Appearance	Clear to pale yellow liquid
Formula	C ₆ H ₆ O
Solubility	Soluble in water (approximately 8–9%), ethanol, ether, chloroform, and other organic solvents
pH	6.6 ± 0.2 or 7.9 ± 0.2 (depending on formulation)
CAS Number	108-95-2
Storage Condition	Store at 2–8 °C in an amber-colored, tightly closed container. Protect from light, heat, and air exposure. Do not freeze.
Applications / Uses	Used for DNA and RNA extraction, phenol-chloroform extraction procedures, nucleic acid purification, molecular biology research, genomic DNA isolation, and RNA isolation protocols.

Safety

Phenol is a highly hazardous and corrosive chemical. It can cause severe burns to the skin and eyes and may be toxic if inhaled, ingested, or absorbed through the skin. Always handle inside a fume hood while wearing appropriate PPE, including chemical-resistant gloves, lab coat, and safety goggles or face shield. In case of skin contact, immediately flush with plenty of water and seek medical attention. Store in a tightly closed amber container away from oxidizing agents, strong bases, and sources of heat. Dispose of waste according to institutional and local hazardous chemical regulations.