

Phenol Reagent for DNA Extraction

Cat: T0250

Size: 250mL

Storage: 2-8°C store away from light, valid for 1 year. Use it as soon as possible after opening.

Product Parameters:

Appearance (character) : The upper layer is colorless, the lower layer is light yellow layered solution

Purity (phenol) : $\geq 99\%$

pH: ≥ 7.8

Production:

This reagent is the use of TRIS-HCl (pH8.0) saturated DNA extraction phenol reagent, light yellow transparent liquid, pungent smell, the upper layer is Tris hydrochloric acid buffer, the lower layer is phenol phase, added with antioxidant 8-hydroxyquinoline. This reagent is suitable for separating DNA.

Protocols (only for reference):

Tissue cracking solution, ensure that the pH is about 8.0 (0.1 volume of 1M Tris-HCl can be added, pH8.0, adjust it to about 8.0), and then add 0.5 volume of DNA extraction phenol reagent (stand when using, take the lower organic phase to use. The upper layer is Tris-HCl solution to prevent the oxidation of the lower organic phase.) , 0.5 volume chloroform: isoamyl alcohol (24 : 1), oscillating for 10 seconds followed by ice bath for 15 minutes. Centrifuge water phase (upper layer) and equal volume isopropyl alcohol precipitated DNA, rinsed with 75% ethanol once, slightly dried and dissolved in appropriate amount of TE for use.

Note:

1. DNA extraction phenol reagent is highly corrosive, should try to avoid skin contact or inhalation in the body.
2. If this product turns red or brown, it indicates that oxidation has occurred and can not be used any longer.
3. The product information is for reference only, if you have any questions, please call 400-968-6088 for consultation.
4. This product is for scientific use only. Do not use for medicine, clinical diagnosis or therapy, food or cosmetics. Do not store in ordinary residential areas.
5. For your safety and health, please wear a lab coat and wear disposable gloves and a mask.