

Nucleic Acid Separation Agent (Chloroform Substitute BCP)

Code No. : NG0080SS 15 ml
NG0080M 100 ml

Introduction :

Nucleic Acid Separation Agent is a substitute for chloroform that can directly replace chloroform for extraction when using one-step RNA extraction reagents such as Trizol Reagent and NGzol Reagent (NG303M), as well as when extracting RNA using phenol-based reagents. The active ingredient is BCP, which stands for 1-Bromo-3-chloropropane. It is a colorless and transparent liquid, insoluble in water, and toxic. Personal protective measures should be taken when using this product.

Instructions for Use:

When using phenol-based reagents such as Trizol Reagent and NGzol Reagent for one-step total RNA extraction, BCP directly replaces chloroform for RNA extraction. Example of recommended usage: For 1 mL of Trizol Reagent or NGzol Reagent, add 100 µL of BCP to replace chloroform (200 µL) for extraction, and all other operational steps remain unchanged.

Product Parameters:

Recommended Application	Substitute for Chloroform For 1 mL of Trizol Reagent and NGzol Reagent, it is recommended to add 100 µL BCP
Name	BCP , 1-Bromo-3-chloropropane
Molecular Formula	C ₃ H ₆ BrCl
Purity	≥99%
Appearance	Colorless liquid
Storage Condition	at room temperature
Toxicity	Harmful
Hazard Characteristics	This substance is harmful to the environment; it is recommended not to let it enter the environment. It can cause pollution to the atmosphere and water bodies, and has a strong destructive effect on the atmospheric ozone layer. Decomposes on heating to release toxic halogen.

Precautions:

1. When using this product, wear protective gear such as protective clothing, gloves, goggles, and face shields. If accidental contact occurs, immediately rinse with plenty of water and seek medical treatment.
2. This product is intended for scientific research use by professionals only; it must not be used for clinical diagnosis or treatment, shall not be used for food or medicines, and shall not be stored in ordinary residences.