

Tris Base & Tris HCl

Description

The products are the core raw material for nucleic acid extraction after strict screening and quality control. Buffer solution is a kind of solution that can resist the influence of a small amount of strong acids and bases and maintain the pH value of the system basically unchanged. It is very important to maintain pH 4.0-11.0 in the process of nucleic acid extraction. Nucleic acid is easy to hydrolyze in acidic solution and stable in neutral or weak alkaline solution. Tris, namely trimethylaminomethane, pH buffer range: 7.0-9.0, can maintain the stability of the nucleic acid released after the cleavage of the sample to be extracted, so as to avoid the degradation of nucleic acid and improve the concentration and purity of nucleic acid. Since Tris reagent cannot be treated with DEPC, it must be strictly determined that there is no RNase in the preparation process of Tris containing reagent. Generally, it must be prepared with DEPC treated water. Therefore, Tris must be of high purity and free of DNase / RNase. This product is a high-purity product, more than 99.99%, and has been strictly tested by RNase / DNase quality control. There is no DNase activity and RNase activity.

Ordering Information

CAT.No.	Product Name	Package
C11222	Tris Base, Trizma base (Molecular Biology)	1KG
C11223		5KG
C11224	Tris-HCl, TRIS hydrochloride (Molecular Biology)	1KG
C11225		5KG

Specifications: Tris Base

Product Name	Tris base, Trizma base, Trometamol, amino-2-(hydroxymethyl)-1,3-propanediol	
Basic content	Recommended application	nucleic acid extraction
	CAS	77-86-1
	Molecular formula	C ₄ H ₁₁ NO ₃
	Structural formula	NH ₂ C(CH ₂ OH) ₃
	molecular weight	one hundred and twenty-one point one four
	level	molecular biology
	Content%	≥99.5
	appearance	White crystalline particles
	Preservation conditions	normal atmospheric temperature
	stability	Unlimited in dry conditions
Impurity parameters	smell	nothing
	solubility	2mol/L colorless, clear and free of impurities
	Heavy metals ppm	≤5
	Moisture%	≤0.2
	Iron ion ppm	≤1
	Sulfate ion ppm	≤10
UV absorption value	Chloride ion ppm	≤3
	Absorbance value @ 230 (1m)	≤6
	Absorbance value @ 260 (1m)	≤1
	Absorbance value @ 280 (1m)	≤0.01
Nucleic acid extraction related	Light absorption value @ 320 (1m)	≤0.01
	DNase detection (0.5M)	Not detected
	RNase detection (0.5M)	Not detected
	PH(2M)	10-11.0

Specifications: TRIS hydrochloride

Product Name		TRIS HCl, Trizma hydrochloride, TRIS hydrochloride, Tromethane hydrochloride
Basic content	Recommended application	nucleic acid extraction
	CAS	1185-53-1
	Molecular formula	C ₄ H ₁₁ NO ₃ .HCL
	molecular weight	157.60
	level	Molecular biology
	appearance	White crystal
	purity	≥99%
	Transportation conditions	normal atmospheric temperature
	Preservation conditions	normal atmospheric temperature
	stability	Unlimited in dry conditions.
Impurity parameters	smell	nothing
	Melting point °C	145-155
	Heavy metal content ppm	< 5
	Loss on drying	0.09%
UV absorption value	Absorbance value @ 230 (5%)	≤0.01
	Absorbance value @ 260 (5%)	≤0.01
	Absorbance value @ 280 (5%)	≤0.01
	Absorbance value @ 320 (5%)	≤0.01
Nucleic acid extraction related	DNase detection (0.5M)	Not detected
	RNase detection (0.5M)	Not detected
	PH(2M)	4.0-5.0