

Guanidine Thiocyanate

Description

The product is the core raw material for nucleic acid extraction after strict screening and quality control. Guanidine thiocyanate is commonly used as lysate and denaturant, and agarose gel sol in the process of nucleic acid extraction. Large 2m guanidine isothiocyanate can mediate the adsorption of isodna on glass fiber filter membrane or silica magnetic beads. Different from guanidine hydrochloride, guanidine isothiocyanate has a high absorbance value in A230, 0.5% (w / V) guanidine isothiocyanate (~ 4mm), and its a260 / A230 is less than 0.5. For the nucleic acid obtained by using this lysate, its a260 / 230 will be poor in low concentration nucleic acid samples, but it will not affect PCR, RT-PCR and second-generation sequencing.

Ordering Information

CAT.No.	Product Name	Package
C11103	Guanidine Thiocyanate (Molecular Biology)	5KG
C11104		25KG(5KG/Bag, 5bags/Bucket)

Specifications

Product Name	Guanidinium rhodanide, Guanidinium thiocyanate	
Basic content	Recommended application	Agarose Gel DNA Purification, DNA/RNA Isolation (Lysis Buffer)
	CAS Numbers	593-84-0
	Formula	CH5N3•HSCN
	Molecular Weight	one hundred and eighteen point one six
	content	99.5%
	level	Molecular biology
	appearance	White powder to crystal
	Transportation conditions	Room temperature, dry,
Preservation conditions	Avoid light	
Impurity parameters	Moisture	≤0.3%
	Ash	≤0.02%
	Water insoluble matter	≤0.02%
	Ammonium	≤0.05%
	Ammonium dicyanide	≤0.1%
	Ammonium cyanuric chloride	≤0.01%
	iron	≤0.1PPM
UV absorption value	Absorbance value @ 230 (6M)	≤20
	Absorbance value @ 260 (6M)	≤25
	Absorbance value @ 280 (6M)	≤0.3
	Absorbance value @ 320 (6M)	≤0.01
Nucleic acid extraction related	Gel DNA Purification	adopt
	RNA Isolation	adopt
	DNase test (1M)	Not detected
	RNase test (1M)	Not detected
	Purity of saturated solution (6M)	Endothermic during dissolution, no precipitation at room temperature after heating and dissolution, clear and colorless (no filtration)
	PH value (1M)	5.0-7.0