

Materials List for:

An *In Vitro* Assay to Detect tRNA-Isopentenyl Transferase Activity

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Materials

Name	Company	Catalog Number	Comments
Reagents			
UreaGel Concentrate	National Diagnostics	EC-833	As part of a kit
UreaGel Diluent	National Diagnostics	EC-833	As part of a kit
UreaGel Buffer	National Diagnostics	EC-833	As part of a kit
10x TBE	National Diagnostics	EC-833	As part of a kit
Ammonium persulfate (APS)	Sigma-Aldrich	7727-54-0	
N,N,N',N'-Tetramethylethylenediamine (TMED)	Sigma-Aldrich	T9281	
Tris base	Sigma-Aldrich	T1503	
Boric acid	Sigma-Aldrich	10043-35-3	
EDTA	Sigma-Aldrich	60-00-4	
ATP	Sigma-Aldrich	34369-07-8	
MgCl ₂	Sigma-Aldrich	7786-30-3	
DMAPP	Caymen Chemical	1186-30-7	
Super RNaseIN	ThermoFisher Scientific	AM2694	
2-mercaptoethanol	Sigma-Aldrich	60-24-2	
Ethanol	Sigma-Aldrich	64-17-5	
Sodium acetate	Sigma-Aldrich	127-09-3	
Rnase T1	ThermoFisher Scientific	EN0541	
Glycerol	Sigma-Aldrich	56-81-5	
Xylene cyanol	Sigma-Aldrich	2650-17-1	
Equipment and Supplies			
Short glass plates (20-40 cm W x 40 cm L)	The Gel Company		
Long glass plates (20-40 cm W x 40 cm L)	The Gel Company		
Vertical gel apparatus	The Gel Company	S2-3040	
50 mL disposable syringe	Fisher Scientific	03-377-26	
Stainless steel binder clips	Idea Scientific	1066	
Phosphoscreen	Sigma-Aldrich	28-9564-74	
Plastic wrap	(local grocery store)		