

Technical Datasheet

Poly A Polymerase

Cat No:	PM-1240-01 PM-1240-02	Pack size:	40U 200U
Concentration:	U/ μ l	Lot No:	_____
Unit Definition:	One unit is the amount of enzyme require to incorporate 1nmole labelled ATP into acid-insoluble form in 10 min at 37°C.		
Assay Conditions:	50mM Tris-HCl (pH 7.9); 10mM MgCl ₂ ; 2.5mM MnCl ₂ ; 0.25M NaCl; 0.25mg/ml tRNA; 0.1mM [α - ³² P] ATP; 0.5mg/ml BSA. Incubation is at 37°C for 10 min in a reaction volume of 100 μ l.		
Storage Buffer:	25mM Tris-HCl (pH7.9); 0.1mM DTT; 1.0mM EDTA; 0.5M NaCl; 0.01% (v/v) Triton X-100 and 50% (v/v) glycerol.		
Storage:	Store at -20°C.		

QUALITY CONTROL:

RNase: Incubation of 2.5, 5, and 10U Poly A Polymerase with 0.015 μ g [³³P] RNA Transcript for 1 hour at 37°C resulted in 0.031 slope of %-end label released per unit of enzyme. Reaction volume 50 μ l.