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## Certificate of Analysis

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## Poly(A) Polymerase, E. coli

Catalog No: 1240

**Lot No:** See Product Label  
**Package Size:** See Product Label  
**Concentration:** See Product Label  
**Storage Conditions:** Store at -20°C

### Applications

- Poly(A) Polymerase adds poly A tails to the 3'-hydroxyl terminus of RNA (1)
- Poly(A) Polymerase labels 3'-ends of RNA with a [ $\alpha$ - $^{32}$ P] cordycepin triphosphate (2)
- Ideal for determining molar concentration of polyadenylated RNA (3)

### Storage Buffer

**RNase:** Incubation of 2.5, 5.0, and 10.0 units of enzyme with 0.015  $\mu$ g of [ $^{32}$ P] RNA transcript for 1 hr at 37°C resulted in  $\leq 0.3$  slope of %-end label released per unit of enzyme. Reaction volume is 50  $\mu$ l.

### Quality Control

**RNase:** Incubation of 2.5, 5.0, and 10.0 units of enzyme with 0.015  $\mu$ g of [ $^{32}$ P] RNA transcript for 1 hr at 37°C resulted in  $\leq 0.3$  slope of %-end label released per unit of enzyme. Reaction volume is 50  $\mu$ l.

### References

- (1) Sippel, A.E. (1973) *Eur. J. Biochem.* 37, 31-40  
(2) Beltz, W.R. and Ashton, S.H. (1982) *Fed. Proc.* 41, 1450, Abstract 68996  
(3) Krug, M.S., and Berger, S.L. (1986) *Anal. Biochem.* 153, 315-323

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