

Certificate of Analysis

Product Name: HyperScribe™ Poly (A) Tailing Kit
Cat. No.: K1053
Batch No.: 1



Physical and Chemical Properties

Concentration:	2 U/μL
Production Date:	Mar 5 2020
Expiration Date:	Mar 5 2022
Storage:	-20°C



Analytical Data

Endonuclease Activity (Nicking):

A 50 μL reaction in 5 x E-PAP Buffer containing 1 μg of supercoiled Phi x 174 DNA and a minimum of 15 units of E-PAP incubated for 4 hours at 37°C results in <10% conversion to the nicked form as determined by agarose gel electrophoresis.

Pass

Exonuclease Activity (Radioactivity Release):

A 50 μL reaction in 5 x E-PAP Buffer containing 1 μg of a mixture of single and double-stranded [³H] E. coli DNA and a minimum of 15 units of E-PAP incubated for 4 hours at 37°C releases < 0.1% of the total radioactivity.

Pass

Protein Purity Assay (SDS-PAGE):

E-PAP is ≥ 95% pure as determined by SDS-PAGE analysis using Coomassie Blue detection.

Pass

RNase Activity (Extended Digestion):

A 10 μL reaction in APExBIO Buffer 4 containing 40 ng of a 300-base single-stranded RNA.

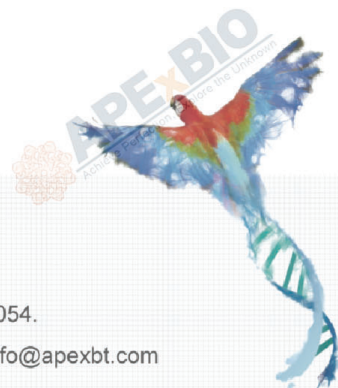
Pass

Signed by: Aiqun Li
 Quality Assurance

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.



APExBIO Technology

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