

Certificate of Analysis

Product Name: HyperScript™ Reverse Transcriptase
Cat. No.: K1071
Batch No.: 1



Physical and Chemical Properties

Concentration:	200 U/μL
Storage:	-20°C.
Expiration Date::	06. 2022



Analytical Data

Endonuclease Activity (Nicking):

A 50 μL reaction in First-Strand Buffer containing 1 μg of supercoiled PhiX174 DNA and a minimum of 200 units of HyperScript™ Reverse Transcriptase 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 First-Strand Buffer containing 1 μg of a mixture of single and double-stranded [³H] E. coli DNA and a minimum of 200 units of HyperScript™ Reverse Transcriptase incubated for 4 hours at 37°C releases <0.1% of the total radioactivity.

Pass

Non-Specific DNase Activity (16 Hour):

A 50 μL reaction in First-Strand Buffer containing 1 μg of T3 or T7 DNA in addition to a reaction containing Lambda-HindIII DNA and a minimum of 200 units of HyperScript™ Reverse Transcriptase incubated for 16 hours at 37°C results in a DNA pattern free of detectable nuclease degradation as determined by agarose gel electrophoresis.

Pass

Signed by: Aixuan Li

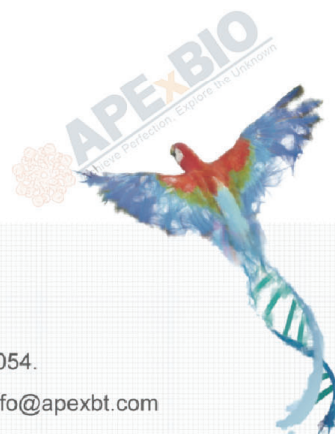
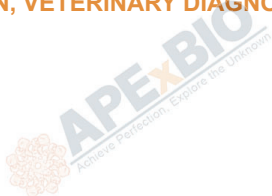
Quality Assurance

06. 2020

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.



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