meridian BIOSCIENCE ™ LIFE DISCOVERED. LIFE DIAGNOSED.	**Certificate of Analysis**	**COA No: CA_SUB-0126-2**
		Version: 06

Taq HS Antibody, 10 mg/mL

For research or further manufacturing use only

Catalog No:	MDX014
Lot No:	EN021-B356100
Storage Conditions:	-20°C
Component Lot No:	AB1-225210C
Expiry date:	November 2027

Quality Control Parameters

A monoclonal antibody to Taq DNA polymerase for use in hot-start PCR

Analysis	Specification	Result
Sensitivity	Sensitivity is measured by qPCR to determine specific product amplification at limiting template concentration Test Criteria Relative amount of amplified specific product must be equal to reference	Passed
Efficiency	Efficiency is measured using RT-qPCR to determine relative Taq DNA Polymerase activity across RNA template concentrations ranging 4 orders of magnitude Test Criteria RT-qPCR efficiency must be equal to reference ± 0.5 Ct at each input template concentration	Passed
Concentration	Concentration is measured by spectrophotometric analysis. Test Criteria Mean concentration should be between 9.5 and 10.5 mg/mL and the Coefficient of Variation (CV) should be ≤ 5%	10.1 mg/mL
DNA contamination	DNA contamination is measured by quantitative PCR on E. coli and mouse genomic DNA specific targets Test Criteria Amplification traces must overlay with the negative control	Passed

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DNase contamination	DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis Test Criteria No detectable degradation Limit of detection 6.25 x 10-4 kU DNase I.	Passed
RNase contamination	RNase contamination is measured by quantitative PCR against RNase standards. Test Criteria No detectable degradation Limit of detection 9.7 x 10-3 ng/µL RNase.	Passed

QA / QC Representative: X.Chen Date: 23rd October 2025

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