

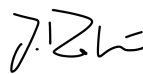
<h2 style="margin: 0;">Glycerol-Free Taq HS High Conc.</h2> <p style="margin: 10px 0 0 0;">For Research and Further Manufacturing use only</p>	Catalog No:	MDX170
	Lot No:	B123490
	Storage Conditions:	-20°C
	Component Lot No:	324201B
	Expiry date:	February 2026

Quality Control Parameters

Compatible with lyophilization and air-drying, high concentration (50 U/μL), glycerol free hot-start enzyme for automated high-throughput testing

Analysis	Specification	Result
Functional	Activity is measured as DNA polymerase units by quantitative PCR analysis against a reference Taq DNA polymerase standard curve. <u>Pass Criteria:</u> Activity must be between 50 and 60 U/μL	57.95 U/μL
DNA contamination	DNA contamination is measured by quantitative PCR on <i>E. coli</i> and mouse genomic DNA specific targets. <u>Pass Criteria:</u> Amplification traces must overlay with the negative control.	Passed
DNase contamination	DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis. Limit of detection: 6.25×10^{-4} KU DNase I. <u>Pass Criteria:</u> No detectable degradation.	Passed
RNase contamination	RNase contamination is measured by quantitative PCR against RNase standards. Limit of detection: 9.7×10^{-3} ng/μL RNase. <u>Pass Criteria:</u> No detectable degradation.	Passed

QA / QC Representative:



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