

Certificate of Quality

Product Name: 2x Taq PCR Master Mix

Product Code:	A4145	CAS #:	N/A
Grade:	Biotechnology	Formula:	N/A
Appearance:		MW:	N/A
Reassay Date:	2 years after shipping date	Lot#:	See product label
Storage:	-20 °C in a non-frost-free freezer		

Quality Assurance Statement: The absence of endodeoxyribonucleases, exodeoxyribonucleases and ribonucleases is confirmed by appropriate quality tests. Functionally tested in amplification of a single-copy gene from human genomic DNA. Endodeoxyribonuclease Assay No detectable conversion of covalently closed circular DNA to a nicked DNA was observed after incubation of 25µl Taq PCR Master Mix (2X) with 1µg pBR322 DNA in 50µl for 4 hours at 37°C and 70°C. Exodeoxyribonuclease Assay No detectable degradation of lambda DNA-HindIII fragments was observed after incubation of 25µl Taq PCR Master Mix (2X) with 1µg digested DNA in 50µl for 4 hours at 37°C and 70°C. Ribonuclease Assay 0% of the total radioactivity was released into trichloroacetic acid-soluble fraction after incubation of 25µl Taq PCR Master Mix (2X) with 1µg E.coli *3H+-RNA (40000cpm/µg) in 50µl for 4 hours at 37°C and 70°C.

TEST	SPECIFICATION	RESULT
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Data Verified by M. He. Verification Date: 2020-01-06

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