

<h2>Fast qPCR Buffer, 4x</h2> <p>Suitable for Research and further Manufacturing Use as an IVD component</p>	Catalog No:	MDX033
	Lot No:	CP082-B069840
	Shipping / Storage Conditions:	-20°C
	Component Lot No:	FB4-919104B
	Expiry date:	May 2021

Quality Control Parameters

Optimized for use with Taq HS DNA Polymerase (Cat# MDX008)

Analysis	Specification	Result
Functional	<p>Quantitative RT-PCR analysis amplifying three different targets from a dilution series of mouse cDNA under standard conditions.</p> <p><u>Pass Criteria:</u></p> <p>Ct profiles must be consistent for test and reference samples with a ± 0.5 Ct variance. The delta Rn of the amplification traces, for test and reference samples, must be within 10 %.</p>	Passed
DNA contamination	<p>Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked.</p> <p><u>Pass Criteria:</u></p> <p>Test sample must amplify in concordance with control sample.</p>	Passed
DNase contamination	<p>DNase contamination is measured as DNA substrate degradation against a DNase I dilution series by agarose gel electrophoresis.</p> <p>Limit of detection: 6.25×10^{-4} KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>	Passed

Authorised by Christopher Weatherall

