

	<b>Certificate of Analysis</b>	COA No: CA_SUP-0002 (CA_BSM-0115-2)
		Version: 03

<b>Lyo-Ready™ Direct DNA qPCR Stool, 4x</b>  For research or further manufacturing use only	Catalog No:	MDX142
	Lot No:	B334180
	Storage Conditions:	-20°C
	Component Lot No:	425203A
	Expiry date:	April 2027

### Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Quantitative real-time PCR analysis amplifying a target gene from a dilution series of mouse cDNA under standard cycling conditions.</p> <p><u>Pass Criteria:</u></p> <p>Amplification profile of a 1:10 dilution must be consistent for the test and reference sample within <math>\leq 0.5</math> Cq difference.</p> <p>The end florescence of the 1:10 dilution must be consistent for the test and reference sample within <math>\leq 0.10</math> difference.</p>	Passed
DNA contamination	<p>Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in concordance with control sample.</p> <p><u>Pass Criteria:</u></p> <p>Amplification traces must overlay with the negative control.</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: <math>6.25 \times 10^{-4}</math> KU DNase I.</p> <p><u>Pass Criteria:</u></p> <p>No detectable degradation.</p>	Passed

QA / QC Representative:  X.Chen

Date: 25<sup>th</sup> March 2025

#### United Kingdom

Tel: +44 (0)20 8830 5300  
Fax: +44 (0)20 8452 2822

#### USA

Tel: +1 901.382.8716  
Fax: +1 901.382.0027

#### Germany

Tel: +49 (0)3371 60222 00  
Fax: +49 (0)3371 60222 01