

## TaqMan Universal PCR Master Mix, 10 Unit Pack (10 x 5 mL)

Product No. 4318157  
Lot No. 2505090  
Date of Manufacture 10JUN2025  
Expiration Date 17OCT2026

TEST	SPECIFICATION	RESULT
<b>Analytical Tests</b>		
Deoxyribonucleoside triphosphate (dNTP) concentrations (measured individually)		Pass
Magnesium ion (Mg <sup>2+</sup> ) concentration		Pass
pH at 25°C		Pass
<b>Nuclease Tests</b>		
RNase - RNase equivalents per 5 µL	< = 1.15 picogr	Pass
DNase - DNase equivalents per 5 µL	< = 155 picogr	Pass
<b>E.coli DNA Carryover Test</b>		
E.coli DNA contamination test - E.coli DNA per 25 µL	< = 4 copy	Pass
<b>Functional Test (RNase P Assay)</b>		
Functional Test performed on Applied Biosystems ViiA 7 Real-Time PCR System with RNase P assay		

**For Research Use Only.**  
**Not for use in diagnostic procedures.**

**Manufactured under a Quality Management System that meets the requirements of ISO 13485 and ISO 9001. Site: Warrington, UK**

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*J. Heald-Green*

**Quality Assurance**  
**Issued 12JUN2025**

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TEST	SPECIFICATION	RESULT
Average NTC (No Template Control)	> = 38.0 CT	Pass
Average Ct for 22.2 ng/μL of human (CEPH) DNA	19.0 - 23.0 CT	Pass
PCR efficiency	85 - 115 %	Pass
R2 (correlation coefficient) for the standard curve	> = 0.98	Pass

### Functional Test (B-actin assay)

Functional Test performed on Applied Biosystems ViiA 7 Real-Time PCR System with B-actin assay

Positive result achieved when analyzed using 50 ng of human (CEPH) DNA		Pass
Average NTC (No Template Control)	> = 38.0 CT	Pass

### Physical Inspection

Labels Correct and Intact	Pass
Caps Sealed	Pass

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*J. Heald-Green*  
**Quality Assurance**  
**Issued 12JUN2025**