

CERTIFICATE OF ANALYSIS

cfDNA Reference Standard Set

IMPORTANT: Centrifuge tube prior to opening to prevent loss of product

PRODUCT INFORMATION

Set Catalogue No.	HD780	Serial No.	18257
Date of Manufacture	Feb 2016		
Description	Multiplex I		

PROPERTIES

Quantity	4 vials of 350ng
Concentration	40ng/ μ L
Fragmentation	Fragmented DNA (average size 160bp)
Buffer	Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0
Storage Conditions	+4°C
Use By	Stable for 12 months from date of manufacture (as supplied)

QUALITY CONTROL

TEST	TEST METHOD AND ACCEPTANCE CRITERIA	PASS/FAIL
Allelic Frequency	Droplet Digital™ PCR <ul style="list-style-type: none"> 0% expected frequency for wild type, up to 0.01% 0% expected frequency for wild type, up to 0.1% [For targets unverified at 0.1%] For AF $\geq 10\% \pm 20\%$ For AF $\geq 5\% < 10\% \pm 30\%$ For AF $\geq 1\% < 5\% \pm 40\%$ For AF $< 1\% \pm 50\%$ 	Pass
Fragmentation Size	D1000 DNA ScreenTape assay (Agilent Tech) <ul style="list-style-type: none"> Fragmented DNA of average size 160bp $\pm 10\%$ (144bp – 176bp) 	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> 40.0 ng/μL $\pm 10\%$ (36.0 – 44.0 ng/μL) 	Pass

CUSTOMER SUPPORT

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