



CERTIFICATE OF ANALYSIS

cfDNA Reference Standard

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

PRODUCT INFORMATION

Catalogue No.	HD786	Serial No.	27590
Date of Manufacture	August 2017		
Description	Structural Multiplex		

PROPERTIES

Quantity	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 and Copy Number	Droplet Digital™ PCR Allelic frequencies accurate to: <ul style="list-style-type: none"> For allelic frequencies $\geq 5\%$ $< 10\% \pm 30\%$ For allelic frequencies $\geq 1\%$ $< 5\% \pm 40\%$ Copy number accurate to $\pm 20\%$ and $\pm 30\%$ for MET	Pass
Fragmentation Size	D1000 DNA ScreenTape assay (Agilent Tech) <ul style="list-style-type: none"> Fragmented DNA of average size $160\text{bp} \pm 10\%$ (144bp – 176bp) 	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> $40.0\text{ ng}/\mu\text{L} \pm 10\%$ (36.0 – 44.0 ng/μL) 	Pass

CUSTOMER SUPPORT

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