



## CERTIFICATE OF ANALYSIS

### cfDNA Reference Standard

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

#### PRODUCT INFORMATION

Catalogue No.	HD786	Serial No.	23888
Date of Manufacture	January 2017		
Description	Structural Multiplex		

#### PROPERTIES

Quantity	350ng
Concentration	40ng/ $\mu$ 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"> <li>For allelic frequencies <math>\geq 5\%</math> <math>&lt; 10\% \pm 30\%</math></li> <li>For allelic frequencies <math>\geq 1\%</math> <math>&lt; 5\% \pm 40\%</math></li> </ul> 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"> <li>Fragmented DNA of average size <math>160\text{bp} \pm 10\%</math> (144bp – 176bp)</li> </ul>	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> <li><math>40.0\text{ ng}/\mu\text{L} \pm 10\%</math> (36.0 – 44.0 ng/<math>\mu</math>L)</li> </ul>	Pass

#### CUSTOMER SUPPORT

Technical	<a href="mailto:technical@horizondiscovery.com">technical@horizondiscovery.com</a>
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