

## 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.	25816
Date of Manufacture	March 2017		
Description	Multiplex I		

#### PROPERTIES

Quantity	4 vials of 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	Droplet Digital™ PCR <ul style="list-style-type: none"> <li>0% expected frequency for wild type, up to 0.01%</li> <li>0% expected frequency for wild type, up to 0.1% [For targets unverified at 0.1%]</li> <li>For AF <math>\geq 10\% \pm 20\%</math></li> <li>For AF <math>\geq 5\% &lt; 10\% \pm 30\%</math></li> <li>For AF <math>\geq 1\% &lt; 5\% \pm 40\%</math></li> <li>For AF <math>&lt; 1\% \pm 50\%</math></li> </ul>	Pass
Fragmentation Size	D1000 DNA ScreenTape assay (Agilent Tech) <ul style="list-style-type: none"> <li>Fragmented DNA of average size 160bp <math>\pm 10\%</math> (144bp – 176bp)</li> </ul>	Pass
Quantification	Qubit® dsDNA BR assay (Invitrogen) <ul style="list-style-type: none"> <li>40.0 ng/<math>\mu</math>L <math>\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>
Orders	<a href="mailto:orders@horizondiscovery.com">orders@horizondiscovery.com</a>

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