

## 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. | 27669 |
| Date of Manufacture | July 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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