

Multiplex cfDNA Reference Standard

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

| PRODUCT INFORMATION | |
|--------------------------|---|
| Catalog ID | HD837 |
| Batch ID | |
| Product Description | Prostate Panel (Negative Control) |
| Date of Manufacture | |
| Manufacturing QMS Status | ISO 13485 |

| PROPERTIES | |
|-------------------------|--|
| Quantity | 350 ng |
| Concentration | 20 ng/μL |
| Average Fragment Length | 160bp |
| Buffer | Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0 |
| Storage Conditions | +4°C (2-8°C) |
| Use by | For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information |

| CUSTOMER SUPPORT | |
|-------------------|--|
| Technical Support | technical@horizondiscovery.com |
| Customer Service | orders@horizondiscovery.com |

| ADDITIONAL INFORMATION |
|------------------------|
| |

QUALITY CONTROL

 Allele Frequency (AF) / Copy Number and Genotype: **Droplet Digital™ PCR**

| Gene | Variant | Expected AF (%) / Copy Number | Actual AF (%) / Copy Number | Acceptance Criteria (%) / Copy Number | | Pass/Fail |
|--------|------------|----------------------------------|--------------------------------|--|------|-----------|
| | | | | Low | High | |
| TP53 | Q331R | 0.00 | | 0.00 | 0.10 | |
| TP53 | R248W | 0.00 | | 0.00 | 0.10 | |
| TP53 | P223L | 0.00 | | 0.00 | 0.10 | |
| TP53 | V274F | 0.00 | | 0.00 | 0.10 | |
| TP53 | A138fs*31 | 0.00 | | 0.00 | 0.10 | |
| AR | H875Y | 0.00 | | 0.00 | 0.10 | |
| AR | T878A | 0.00 | | 0.00 | 0.10 | |
| PIK3CA | Q546R | 0.00 | | 0.00 | 0.10 | |
| PIK3CA | E542K | 0.00 | | 0.00 | 0.10 | |
| RB1 | K715* | 0.00 | | 0.00 | 0.10 | |
| CDKN2A | D84Y | 0.00 | | 0.00 | 0.10 | |
| STK11 | KP178fs | 0.00 | | 0.00 | 0.10 | |
| PTEN | K6RfsX4 | 0.00 | | 0.00 | 0.10 | |
| BRCA1 | Q1756fs*74 | 0.00 | | 0.00 | 0.10 | |
| BRCA2 | Y3308X | 0.00 | | 0.00 | 0.10 | |

 Fragmentation Size **D1000 DNA ScreenTape assay (Agilent Technologies) TapeStation software version 4.1.1**

| Acceptance Criteria | Reading | Pass/Fail |
|------------------------------------|---------|-----------|
| 160 bp \pm 10% (144 bp - 176 bp) | | |

 Quantification: **Qubit® dsDNA BR assay (Invitrogen)**

| Acceptance Criteria | Reading | Pass/Fail |
|---|---------|-----------|
| 20 ng / μ L \pm 15% (17.0 - 23.0 ng/ μ L) | | |

FOR RESEARCH USE ONLY

Manufactured in the UK

Horizon Discovery

 8100 Cambridge Research Park,
 Waterbeach, Cambridge,
 CB25 9TL, United Kingdom
www.horizondiscovery.com/

 t + 44 (0) 1223 976 000
 f + 44 (0) 1223 655 581
 e orders@horizondiscovery.com