

Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION

| | |
|--------------------------|---|
| Catalog ID | HD799 |
| Batch ID | 32617 |
| Product Description | Quantitative Multiplex Formalin Compromised (Moderate) Reference Standard |
| Date of Manufacture | 07-Aug-2018 |
| Manufacturing QMS Status | ISO 9001 |

PROPERTIES

| | |
|--------------------|--|
| Quantity | 1 µg |
| Concentration | 50 ng/µL |
| Buffer | Tris-EDTA (10 mM Tris-HCl, 1 mM EDTA), pH 8.0 |
| Storage Conditions | +4°C |
| Use By | For the latest information on product shelf-life, please visit our website: https://www.horizondiscovery.com/reference-standards/coa-information |

CUSTOMER SUPPORT

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

ADDITIONAL INFORMATION

Batch 32617 has been released under concession. The DIN (DNA integrity number) is slightly outside the defined range for moderate formalin-compromised DNA (observed result 5.5. Expected range 2.5-5.0). For more information please contact technical@horizondiscovery.com

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

QUALITY CONTROL

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

| Gene | Variant | Expected AF (%) | Actual AF (%) | Acceptance Criteria (%) | | Pass/Fail |
|--------|------------|-----------------|---------------|-------------------------|-------|-----------|
| | | | | Low | High | |
| BRAF | V600E | 10.5 | 10.85 | 7.40 | 13.70 | PASS |
| cKIT | D816V | 10.0 | 10.3 | 7.00 | 13.00 | PASS |
| EGFR | ΔE746-A750 | 2.0 | 1.63 | 1.20 | 2.80 | PASS |
| EGFR | L858R | 3.0 | 3.19 | 1.80 | 4.20 | PASS |
| EGFR | T790M | 1.0 | 0.78 | 0.60 | 1.40 | PASS |
| EGFR | G719S | 24.5 | 24.2 | 19.60 | 29.40 | PASS |
| KRAS | G13D | 15.0 | 16.8 | 10.50 | 19.50 | PASS |
| KRAS | G12D | 6.0 | 6.1 | 4.20 | 7.80 | PASS |
| NRAS | Q61K | 12.5 | 11.9 | 8.80 | 16.30 | PASS |
| PIK3CA | H1047R | 17.5 | 18.8 | 12.30 | 22.80 | PASS |
| PIK3CA | E545K | 9.0 | 7.15 | 6.30 | 11.70 | PASS |

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

| Acceptance Criteria | Reading | Pass/Fail |
|---------------------|-------------|-----------|
| 45-55 ng/μL | 47.33 ng/μl | PASS |

 Fragmentation: **D1000 DNA ScreenTape assay (Agilent Tech)**

| Acceptance Criteria | Reading | Pass/Fail |
|---------------------|---------|-----------|
| DIN 2.5 - 5.0 | 5.5 | FAIL |

FOR RESEARCH USE ONLY

Manufactured in the UK

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