

Multiplex gDNA Reference Standard

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

| PRODUCT INFORMATION | |
|--------------------------|---|
| Catalog ID | HD730 |
| Batch ID | |
| Product Description | Tru-Q NGS DNA 3 Multiplex gDNA Reference Standard |
| Date of Manufacture | |
| Manufacturing QMS Status | ISO 13485 |

| 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

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QUALITY CONTROL

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

| Gene | Variant | Expected AF (%) | Actual AF (%) | Acceptance Criteria (%) | | Pass/Fail |
|--------|------------|-----------------|---------------|-------------------------|-------|-----------|
| | | | | Low | High | |
| BRAF | V600E | 8.0 | | 6.40 | 9.60 | |
| BRAF | V600M | 4.0 | | 2.80 | 5.20 | |
| EGFR | G719S | 16.7 | | 15.03 | 18.37 | |
| EGFR | ΔE746-A750 | 4.2 | | 2.94 | 5.46 | |
| FLT3 | D835Y | 5.0 | | 4.00 | 6.00 | |
| GNA11 | Q209L | 5.0 | | 4.00 | 6.00 | |
| IDH1 | R132H | 5.0 | | 4.00 | 6.00 | |
| KRAS | A146T | 5.0 | | 4.00 | 6.00 | |
| KRAS | G12S | 5.0 | | 4.00 | 6.00 | |
| KRAS | G13D | 25.0 | | 22.50 | 27.50 | |
| MET | Y1253D | 3.6 | | 2.52 | 4.68 | |
| NRAS | Q61H | 5.0 | | 4.00 | 6.00 | |
| PIK3CA | E542K | 5.0 | | 4.00 | 6.00 | |
| PIK3CA | H1047R | 30.0 | | 27.00 | 33.00 | |

 Quality: **Agarose gel electrophoresis***

| Acceptance Criteria | Band Present/Absent | Pass/Fail |
|--------------------------------------|---------------------|-----------|
| Bright band of high molecular weight | | |

 Quantification: **Spectrophotometry (A260)***

| Acceptance Criteria | | |
|---------------------|---|--|
| | 50 ng/μL ± 4% (Accepted Range: 48-52 ng/μL) | |

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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