

## Multiplex gDNA Reference Standard

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

| PRODUCT INFORMATION      |   |
|--------------------------|---|
| Catalog ID               | HD802   |
| Batch ID                 |   |
| Product Description      | <a href="#">EGFR Quantitative Multiplex gDNA Reference Standard</a> |
| 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:<br><a href="https://www.horizondiscovery.com/reference-standards/coa-information">https://www.horizondiscovery.com/reference-standards/coa-information</a> |

| CUSTOMER SUPPORT  |  |
|-------------------|--|
| Technical Support | <a href="mailto:technical@horizondiscovery.com">technical@horizondiscovery.com</a> |
| Customer Service  | <a href="mailto:orders@horizondiscovery.com">orders@horizondiscovery.com</a>       |

### ADDITIONAL INFORMATION

|  |
|--|
|  |
|--|

**QUALITY CONTROL**

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

| Gene | Variant    | Expected AF (%) | Actual AF (%) | Acceptance Criteria (%) |       | Pass/Fail |
|------|------------|-----------------|---------------|-------------------------|-------|-----------|
|      |            |                 |               | Low                     | High  |           |
| EGFR | L861Q      | 12.5            |               | 11.25                   | 13.75 |           |
| EGFR | ΔE746-A750 | 12.5            |               | 11.25                   | 13.75 |           |
| EGFR | L858R      | 12.5            |               | 11.25                   | 13.75 |           |
| EGFR | T790M      | 12.5            |               | 11.25                   | 13.75 |           |

 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

**Horizon Discovery**

8100 Cambridge Research Park,  
 Waterbeach, Cambridge,  
 CB25 9TL, United Kingdom  
[www.horizondiscovery.com/](http://www.horizondiscovery.com/)

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