

HD849 Lymphoid Panel Multiplex FFPE DNA Reference Standard

| PRODUCT INFORMATION | |
|--------------------------|-------------------------|
| Catalog ID | HD849 |
| Batch ID | |
| Product Description | Lymphoid Panel FFPE DNA |
| Date of Manufacture | |
| Manufacturing QMS Status | ISO 13485 |

| PROPERTIES | |
|--------------------|--|
| Format | 15 µm section |
| Storage Conditions | +4°C (2-8°C) |
| Use by | For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/en/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 | |
| BRAF | p.v600E | 10.00 | | 8.00 | 12.00 | |
| CXCR4 | p.R338* | 8.00 | | 6.40 | 9.60 | |
| DNMT3A | p.R882C | 10.00 | | 8.00 | 12.00 | |
| EZH2 | p.Y646C | 10.00 | | 8.00 | 12.00 | |
| MYD88 | p.L265P | 10.00 | | 8.00 | 12.00 | |
| STAT3 | p.D661Y | 6.00 | | 4.80 | 7.20 | |
| IDH2 | p.R172G | 10.00 | | 8.00 | 12.00 | |
| TET2 | p.E227fs | 9.00 | | 7.20 | 10.80 | |
| TP53 | p.R196* | 14.00 | | 11.20 | 16.80 | |
| NRAS | p.Q61K | 10.00 | | 8.00 | 12.00 | |

 Quality: **Agarose gel electrophoresis**

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

 Quantification: **QuantiFluor® assay (Promega) ***

| Acceptance Criteria | Reading | Pass/Fail |
|--------------------------|---------|-----------|
| ≥ 400 ng (Average yield) | | |

*DNA extraction performed using Maxwell® RSC FFPE plus DNA Kit (Promega)

FOR RESEARCH USE ONLY

Manufactured in the UK

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