

## Colorectal Cancer Panel Multiplex FFPE DNA Reference Standard

PRODUCT INFORMATION	
Catalog ID	HD846
Batch ID	
Product Description	Colorectal Cancer 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: <a href="https://horizondiscovery.com/en/reference-standards/reference-standards-product-information">https://horizondiscovery.com/en/reference-standards/reference-standards-product-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) / 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	
ABL1	p.T315I	5.00		3.50	6.50	
ALK	p.F1174L	5.00		3.50	6.50	
BRAF	p.V600E	4.00		2.80	5.20	
APC	p.R2714C	22.00		19.80	24.20	
PIK3CA	p.E542K	5.00		3.50	6.50	
KRAS	p.G12D	5.00		3.50	6.50	
NRAS	p.Q61K	4.00		2.80	5.20	
PTEN	p.R130*	5.00		3.50	6.50	
AKT1	p.E17K	3.00		2.10	3.90	
TP53	p.S241F	8.00		6.40	9.60	

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

#### Horizon Discovery

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