

## OncoSpan FFPE DNA Reference Standard

PRODUCT INFORMATION	
Catalog ID	HD832
Batch ID	
Product Description	<a href="#">OncoSpan FFPE Reference Standard Set</a>
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) and Genotype: **Droplet Digital™ PCR**

Gene	Variant	Expected AF (%)	Actual AF (%)	Acceptance Criteria (%)		Pass/Fail
				Low	High	
BRAF	V600E	10.70		7.49	13.91	
KIT	D816V	10.00		8.00	12.00	
EGFR	ΔE746-A750	1.90		1.30	2.50	
EGFR	p.L858R	2.80		1.68	3.92	
EGFR	p.T790M	0.90		0.60	1.20	
EGFR	p.G719S	24.50		22.10	27.00	
KRAS	p.G13D	15.00		12.00	18.00	
KRAS	p.G12D	6.30		5.00	7.60	
NRAS	Q61K	12.50		10.00	15.00	
PIK3CA	p.H1047R	17.50		14.00	21.00	
PIK3CA	p.E545K	8.80		7.00	10.60	

 Allele Frequency (AF) and Genotype: **Droplet Digital™ PCR** (additional variants detected for information only)

Gene	Variant	Expected AF (%)	Actual AF (%)
ALK	3'_UTR_insertion	10.00	
APC	P.T1493T	35.00	
BRCA2	p.K1691fs*15	32.50	
CTNNB1	p.S33Y	32.50	
CTNNB1	p.S45del	10.00	
EGFR	p.Q787Q	15.00	
FBXW7	p.S668fs*39	32.50	
FLT3	p.P986fs*>8	10.00	
KIT	p.L862L	7.50	
MET	p.A1357A	7.00	
MET	p.L238fs*25	7.00	
NOTCH1	p.P668S	30.00	
RET	p.L769L	60.00	
TP53	p.P72R	92.50	

**Horizon Discovery**

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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