

Quantitative Multiplex FFPE DNA Reference Standard

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

PRODUCT INFORMATION	
Catalogue Number	HD200
Batch ID	32598
Product Description	Quantitative Multiplex FFPE DNA Reference Standard
Date of Manufacture	01-Aug-2018
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Format	15 µm section
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	technical@horizondiscovery.com
Orders	orders@horizondiscovery.com

ADDITIONAL INFORMATION

Batch 32598 has been released under concession. The measured allelic frequency for EGFR L858R falls slightly outside of the acceptance criteria (see table under Quality Control). For more information, please contact Technical Support.

QUALITY CONTROL

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

Gene	Variant	Expected AF (%)	Actual AF (%)	Acceptance Criteria (%)		Pass/Fail
				Low	High	
BRAF	V600E	10.7	12.8	8.60	12.80	PASS
KIT	D816V	10.0	8.54	8.00	12.00	PASS
EGFR	ΔE746-A750	1.9	1.46	1.30	2.50	PASS
EGFR	L858R	2.8	3.91	2.00	3.70	FAIL
EGFR	T790M	0.9	0.98	0.60	1.20	PASS
EGFR	G719S	24.5	24.3	22.10	27.00	PASS
KRAS	G13D	15.0	12.54	12.00	18.00	PASS
KRAS	G12D	6.3	5.93	5.04	7.56	PASS
NRAS	Q61K	12.5	11.27	10.00	15.00	PASS
PIK3CA	H1047R	17.5	17.9	14.00	21.00	PASS
PIK3CA	E545K	8.8	8.77	7.00	10.60	PASS

 Quality: **Agarose gel electrophoresis**

Acceptance Criteria	Band present/absent	Pass/Fail
Bright band of high molecular weight	Present	PASS

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

Acceptance Criteria	Reading	Pass/Fail
≥ 400 ng (Average yield)	866.45 ng	PASS

* DNA extraction performed using Maxwell® 16 FFPE plus LEV DNA Purification Kit (Promega).

FOR RESEARCH USE ONLY

Manufactured in the UK

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