

Quantitative Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD701
Batch ID	34962
Product Description	Quantitative Multiplex Reference Standard gDNA
Date of Manufacture	23-Oct-2018
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: https://www.horizondiscovery.com/reference-standards/coa-information

CUSTOMER SUPPORT	
Technical Support	technical@horizondiscovery.com
Customer Service	orders@horizondiscovery.com

ADDITIONAL INFORMATION	
N/A	

Horizon Discovery

8100 Cambridge Research Park,
Waterbeach, Cambridge,
CB25 9TL, United Kingdom
www.horizondiscovery.com/

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

QUALITY CONTROL

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

Gene	Variant	Expected AF (%)	Actual AF (%)	Acceptance Criteria (%)		Pass/Fail
				Low	High	
BRAF	V600E	10.5	9.94	9.45	11.55	PASS
KIT	D816V	10.0	10.15	9.00	11.00	PASS
EGFR	ΔE746-A750	2.0	1.82	1.40	2.60	PASS
EGFR	L858R	3.0	2.69	2.10	3.90	PASS
EGFR	T790M	1.0	0.89	0.70	1.30	PASS
EGFR	G719S	24.5	24.47	22.05	26.95	PASS
KRAS	G13D	15.0	14.62	13.50	16.50	PASS
KRAS	G12D	6.0	6.02	4.80	7.20	PASS
NRAS	Q61K	12.5	13.27	11.25	13.75	PASS
PIK3CA	H1047R	17.5	17.06	15.75	19.25	PASS
PIK3CA	E545K	9.0	8.88	7.20	10.80	PASS

Quality: Agarose gel electrophoresis*

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

Quantification: Spectrophotometry (A260)*

Acceptance Criteria	50 ng/μL ±4% (Accepted Range: 48-52 ng/μL)	PASS

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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