

## Quantitative Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD701
Batch ID	40075
Product Description	<a href="#">Quantitative Multiplex Reference Standard gDNA</a>
Date of Manufacture	20-Aug-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: <a href="https://www.horizondiscovery.com/reference-standards/coa-information">https://www.horizondiscovery.com/reference-standards/coa-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	
N/A	

### Horizon Discovery

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**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	10.33	9.45	11.55	PASS
KIT	D816V	10.0	10.10	9.00	11.00	PASS
EGFR	ΔE746-A750	2.0	1.74	1.40	2.60	PASS
EGFR	L858R	3.0	2.52	2.10	3.90	PASS
EGFR	T790M	1.0	1.03	0.70	1.30	PASS
EGFR	G719S	24.5	24.27	22.05	26.95	PASS
KRAS	G13D	15.0	15.74	13.50	16.50	PASS
KRAS	G12D	6.0	6.04	4.80	7.20	PASS
NRAS	Q61K	12.5	12.61	11.25	13.75	PASS
PIK3CA	H1047R	17.5	16.93	15.75	19.25	PASS
PIK3CA	E545K	9.0	8.60	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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