

Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION

Catalog ID	HD731
Batch ID	
Product Description	Tru-Q NGS DNA 4 Multiplex gDNA Reference Standard
Date of Manufacture	
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 (2-8°C)
Use by	For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information

CUSTOMER SUPPORT

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

ADDITIONAL INFORMATION

Horizon Discovery

8100 Cambridge Research Park,
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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	
ABL1	T315I	5.00		4.00	6.00	
BRAF	V600E	7.70		6.16	9.24	
BRAF	V600R	3.80		2.66	4.94	
EGFR	G719S	16.70		15.03	18.37	
EGFR	L861Q	4.20		2.94	5.46	
IDH2	R172K	5.00		4.00	6.00	
KIT	D816V	5.00		4.00	6.00	
KRAS	G12C	5.00		4.00	6.00	
KRAS	G12D	5.00		4.00	6.00	
KRAS	G13D	25.00		22.50	27.50	
KRAS	Q61H	5.00		4.00	6.00	
NRAS	Q61R	5.00		4.00	6.00	
PDGFRA	D842V	5.00		4.00	6.00	
PIK3CA	H1047R	30.00		27.00	33.00	

 Quality: **Agarose gel electrophoresis***

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

 Quantification: **Spectrophotometry (A260)***

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

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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