

Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION

Catalog ID	HD730
Batch ID	
Product Description	Tru-Q NGS DNA 3 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

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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	7.70		6.16	9.24	
BRAF	V600M	3.80		2.66	4.94	
EGFR	G719S	16.70		15.03	18.37	
EGFR	ΔE746-A750	4.20		2.94	5.46	
FLT3	D835Y	5.00		4.00	6.00	
GNA11	Q209L	5.00		4.00	6.00	
IDH1	R132H	5.00		4.00	6.00	
KRAS	A146T	5.00		4.00	6.00	
KRAS	G12S	5.00		4.00	6.00	
KRAS	G13D	25.00		22.50	27.50	
MET	Y1253D	3.60		2.52	4.68	
NRAS	Q61H	5.00		4.00	6.00	
PIK3CA	E542K	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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