

Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION

Catalog ID	HD728
Batch ID	
Product Description	Tru-Q NGS DNA 1 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

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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	7.70		6.16	9.24	
BRAF	V600K	3.80		2.66	4.94	
EGFR	G719S	16.70		15.03	18.37	
EGFR	T790M	4.20		2.94	5.46	
FLT3	ΔI836	5.00		4.00	6.00	
IDH1	R132C	5.00		4.00	6.00	
JAK2	V617F	5.00		4.00	6.00	
KRAS	G12A	5.00		4.00	6.00	
KRAS	G12R	5.00		4.00	6.00	
KRAS	G13D	25.00		22.50	27.50	
MEK1 (MAP2K1)	P124L	5.00		4.00	6.00	
NOTCH1	L1600P**	4.80		3.36	6.24	
NRAS	Q61K	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

**NOTCH L1600P mutation may also be referred to as NOTCH L1601P

FOR RESEARCH USE ONLY

Manufactured in the UK

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