

## Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD728
Batch ID	
Product Description	<a href="#">Tru-Q NGS DNA 1 Multiplex gDNA Reference Standard</a>
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: <a href="https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information">https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-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

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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	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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