

## Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD729
Batch ID	
Product Description	<a href="#">Tru-Q NGS DNA 2 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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#### Horizon Discovery

8100 Cambridge Research Park,  
Waterbeach, Cambridge,  
CB25 9TL, United Kingdom  
[www.horizondiscovery.com/](http://www.horizondiscovery.com/)

t + 44 (0) 1223 976 000  
f + 44 (0) 1223 655 581  
e [orders@horizondiscovery.com](mailto: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	
ALK	F1174L	5.00		4.00	6.00	
BRAF	V600E	7.70		6.16	9.24	
BRAF	V600G	3.80		2.66	4.94	
EGFR	G719S	16.70		15.03	18.37	
EGFR	L858R	4.20		2.94	5.46	
FGFR2	S252W	4.00		2.80	5.20	
GNAQ	Q209L	5.00		4.00	6.00	
IDH2	R140Q	5.00		4.00	6.00	
KRAS	G12V	5.00		4.00	6.00	
KRAS	G13D	25.00		22.50	27.50	
KRAS	Q61L	5.00		4.00	6.00	
NRAS	Q61L	5.00		4.00	6.00	
PI3KCA	E545K	5.00		4.00	6.00	
PI3KCA	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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