

Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD728
Batch ID	40707
Product Description	Tru-Q NGS DNA 1 Multiplex gDNA Reference Standard
Date of Manufacture	24-Apr-2019
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
Use by	For the latest information on product shelf life, please visit our website: https://www.horizondiscovery.com/reference-standards/coa-information

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

ADDITIONAL INFORMATION	
N/A	

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	8.0	7.40	6.40	9.60	PASS
BRAF	V600K	4.0	3.82	2.80	5.20	PASS
EGFR	G719S	16.7	16.8	15.03	18.37	PASS
EGFR	T790M	4.2	4.13	2.94	5.46	PASS
FLT3	ΔI836	5.0	4.98	4.00	6.00	PASS
IDH1	R132C	5.0	5.44	4.00	6.00	PASS
JAK2	V617F	5.0	5.15	4.00	6.00	PASS
KRAS	G12A	5.0	4.87	4.00	6.00	PASS
KRAS	G12R	5.0	4.98	4.00	6.00	PASS
KRAS	G13D	25.0	26.7	22.50	27.50	PASS
MEK1 (MAP2K1)	P124L	5.0	5.15	4.00	6.00	PASS
NOTCH1	L1600P	4.8	4.65	3.36	6.24	PASS
NRAS	Q61K	5.0	5.03	4.00	6.00	PASS
PIK3CA	H1047R	30.0	29.8	27.00	33.00	PASS

Quality: **Agarose gel electrophoresis***

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

Quantification: **Spectrophotometry (A260)***

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

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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