

Multiplex ctDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD844
Batch ID	
Product Description	NSCLC ctDNA Panel
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Quantity	350 ng
Concentration	20.00 ng/μl
Average Fragment Length	160 bp
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	
N/A	

Horizon Discovery

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QUALITY CONTROL

 Allele Frequency (AF) / Copy Number and Genotype: **Droplet Digital™ PCR**

Gene	Variant	Expected AF (%) / Copy Number	Actual AF (%) / Copy Number	Acceptance Criteria (%) / Copy Number		Pass/Fail
				Low	High	
BRAF	V600E	1.20		0.84	1.56	
EGFR	T790M	0.80		0.40	1.20	
EGFR	G719A	0.50		0.25	0.75	
EGFR	S768I	0.80		0.40	1.20	
EGFR	L861Q	0.80		0.40	1.20	
EGFR	L858R	0.80		0.40	1.20	
EGFR	E746_A750del *	0.80		0.40	1.20	
EGFR	E746_A750del †	0.80		0.40	1.20	
EGFR	L747_P753delinsS	1.00		0.70	1.30	
ERBB2	A775_G776insYVMA	0.30		0.15	0.45	
ERBB2	G778_P780dup	0.30		0.15	0.45	
ERBB2	Amplification	6.00		4.80	7.20	
KRAS	G12C	1.00		0.70	1.30	
KRAS	G12D	1.00		0.70	1.30	
KRAS	G12V	0.50		0.25	0.75	
MET	Exon 14 skipping	0.80		0.40	1.20	
MET	Amplification	4.00		3.20	4.80	
NRAS	Q61K	0.50		0.25	0.75	
NRAS	Q61L	0.50		0.25	0.75	
NRAS	Q61R	0.50		0.25	0.75	
PIK3CA	E542K	1.00		0.70	1.30	
PIK3CA	H1047R	0.80		0.40	1.20	

* Corresponding to EGFR c.2235_2249del

† Corresponding to EGFR c.2236_2250del

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QUALITY CONTROL (continued)

Fragmentation Size: **D1000 DNA ScreenTape assay (Agilent Technologies) TapeStation software version 4.1.1**

Acceptance Criteria	Reading	Pass/Fail
160 bp ± 10% (144 bp - 176 bp)		

Quantification: **Qubit® dsDNA BR assay (Invitrogen)**

Acceptance Criteria	Reading	Pass/Fail
20 ng /µL ± 15% (17.0 - 23.0 ng/µL)		

FOR RESEARCH USE ONLY

Manufactured in the UK

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