

gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD794
Batch ID	44500
Product Description	BRCA Germline II gDNA Reference Standard
Date of Manufacture	09-Mar-2020
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	
N/A	

Horizon Discovery

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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	
BRCA2	V2466A	100.0	99.99	95.00	100.00	PASS
BRIP1	S919P	100.0	99.99	95.00	100.00	PASS
NBN	E185Q	100.0	100.0	95.00	100.00	PASS
BRCA2	I2675fs	50.0	50.10	45.00	55.00	PASS
BARD1	R378S	50.0	49.70	45.00	55.00	PASS
BRCA1	S1613G	0.0	0.02	≤0.10		PASS
BRCA1	K1183R	0.0	0.00	≤0.10		PASS
BRCA1	K820E	0.0	0.00	≤0.10		PASS
BRCA1	R1443STOP	0.0	0.00	≤0.10		PASS
BRCA1	D435Y	0.0	0.00	≤0.10		PASS
BRCA1	P871L	0.0	0.00	≤0.10		PASS
BRCA2	N289H	0.0	0.00	≤0.10		PASS
BRCA2	N991D	0.0	0.00	≤0.10		PASS
BRCA2	K1691fs	0.0	0.01	≤0.10		PASS
BRCA2	N1784fs	0.0	0.00	≤0.10		PASS
BRCA2	D1420Y	0.0	0.00	≤0.10		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	Reading	Pass/Fail
48.00 - 52.00 ng/μL	50.25 ng/μL	PASS

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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