

gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD794
Batch ID	
Product Description	BRCA Germline II gDNA Reference Standard
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: 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

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		95.00	100.00	
BRIP1	S919P	100.0		95.00	100.00	
NBN	E185Q	100.0		95.00	100.00	
BRCA2	I2675fs	50.0		45.00	55.00	
BARD1	R378S	50.0		45.00	55.00	
BRCA1	S1613G	0.0		≤0.10		
BRCA1	K1183R	0.0		≤0.10		
BRCA1	K820E	0.0		≤0.10		
BRCA1	R1443STOP	0.0		≤0.10		
BRCA1	D435Y	0.0		≤0.10		
BRCA1	P871L	0.0		≤0.10		
BRCA2	N289H	0.0		≤0.10		
BRCA2	N991D	0.0		≤0.10		
BRCA2	K1691fs	0.0		≤0.10		
BRCA2	N1784fs	0.0		≤0.10		
BRCA2	D1420Y	0.0		≤0.10		

Quality: Agarose gel electrophoresis*

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

Quantification: Spectrophotometry (A260)*

Acceptance Criteria	Reading	Pass/Fail
48.00 - 52.00 ng/μL		

*Quality Control Test occurs before gDNA is multiplexed

FOR RESEARCH USE ONLY

Manufactured in the UK

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