

gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD793
Batch ID	
Product Description	BRCA Germline I 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	
BRCA1	P871L	100.0		90.00	100.00	
BRCA2	V2466A	100.0		90.00	100.00	
BRIP1	S919P	100.0		90.00	100.00	
BRCA1	S1613G	50.0		45.00	55.00	
BRCA1	K1183R	50.0		45.00	55.00	
BRCA1	K820E	50.0		45.00	55.00	
BRCA1	D435Y	50.0		45.00	55.00	
BRCA2	N289H	50.0		45.00	55.00	
BRCA2	N991D	50.0		45.00	55.00	
BRCA2	N1784fs	50.0		45.00	55.00	
NBN	E185Q	50.0		45.00	55.00	
BRCA1	R1443STOP	0.0		≤0.10		
BRCA2	K1691fs	0.0		≤0.10		
BRCA2	D1420Y	0.0		≤0.10		
BRCA2	I2675fs	0.0		≤0.10		
BARD1	R378S	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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