

## Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD795
Batch ID	
Product Description	<a href="#">BRCA Somatic Multiplex I gDNA Reference Standard</a>
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
Use by	For the latest information on product shelf life, please visit our website: <a href="https://www.horizondiscovery.com/reference-standards/coa-information">https://www.horizondiscovery.com/reference-standards/coa-information</a>

CUSTOMER SUPPORT	
Technical Support	<a href="mailto:technical@horizondiscovery.com">technical@horizondiscovery.com</a>
Customer Service	<a href="mailto:orders@horizondiscovery.com">orders@horizondiscovery.com</a>

### 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		90.00	100.00	
BRIP1	S919P	100.0		90.00	100.00	
NBN	E185Q	60.0		54.00	66.00	
BARD1	R378S	42.5		38.25	46.75	
BRCA2	N1784fs	40.0		36.00	44.00	
BRCA1	R1443STOP	32.5		29.25	35.75	
BRCA2	K1691fs	32.5		29.25	35.75	
BRCA2	D1420Y	32.5		29.25	35.75	
BRCA1	P871L	15.0		13.50	16.50	
BRCA2	I2675fs	10.0		8.00	12.00	
BRCA1	S1613G	7.5		6.00	9.00	
BRCA1	K1183R	7.5		6.00	9.00	
BRCA1	K820E	7.5		6.00	9.00	
BRCA1	D435Y	7.5		6.00	9.00	
BRCA2	N289H	7.5		6.00	9.00	
BRCA2	N991D	7.5		6.00	9.00	

Quality: **Agarose gel electrophoresis\***

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

Quantification: **Spectrophotometry (A260)\***

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

\*Quality Control Test occurs before gDNA is multiplexed

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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