

Multiplex cfDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD836
Batch ID	
Product Description	Prostate Panel
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Quantity	350 ng
Concentration	20 ng/ μ L
Average Fragment Length	160bp
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) / 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	
TP53	Q331R	0.60		0.30	0.90	
TP53	R248W	9.00		7.20	10.80	
TP53	P223L	0.50		0.25	0.75	
TP53	V274F	1.00		0.70	1.30	
TP53	A138fs*31	10.00		8.00	12.00	
AR	H875Y	0.30		0.15	0.45	
AR	T878A	0.30		0.15	0.45	
PIK3CA	Q546R	0.70		0.35	1.05	
PIK3CA	E542K	1.20		0.84	1.56	
RB1	K715*	1.00		0.70	1.30	
CDKN2A	D84Y	0.60		0.30	0.90	
STK11	KP178fs	1.20		0.84	1.56	
PTEN	K6RfsX4	0.50		0.25	0.75	
BRCA1	Q1756fs*74	0.40		0.20	0.60	
BRCA2	Y3308X	0.40		0.20	0.60	
AR	Gain	4.00		2.80	5.20	
PTEN	Loss	0.34		0.27	0.41	

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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