

## Prostate Cancer Panel Multiplex FFPE DNA Reference Standard

### PRODUCT INFORMATION

Catalog ID	HD848
Batch ID	
Product Description	Prostate Cancer Panel FFPE DNA
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

### PROPERTIES

Format	15 µm section
Storage Conditions	+4°C (2-8°C)
Use by	For the latest information on product shelf life, please visit our website: <a href="https://horizondiscovery.com/en/reference-standards/reference-standards-product-information">https://horizondiscovery.com/en/reference-standards/reference-standards-product-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

#### Horizon Discovery

8100 Cambridge Research Park,  
Waterbeach, Cambridge,  
CB25 9TL, United Kingdom  
[www.horizondiscovery.com/](http://www.horizondiscovery.com/)

t + 44 (0) 1223 976 000  
f + 44 (0) 1223 655 581  
e [orders@horizondiscovery.com](mailto:orders@horizondiscovery.com)

**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	
AR	p.H875Y	2.50		1.75	3.25	
AR	p.T878A	2.50		1.75	3.25	
AR	Gain	5.00 copies		3.50	6.50	
BRCA1	p.Q1777Pfs*74	6.50		5.20	7.80	
BRCA2	p.Y3308*	6.00		4.80	7.20	
CDKN2A	p.D84Y	7.00		5.60	8.40	
PIK3CA	p.Q546R	6.00		4.80	7.20	
PIK3CA	p.E542K	8.00		6.40	9.60	
PTEN	p.K6Rfs*4	4.00		2.80	5.20	
RB1	p.K715*	7.00		5.60	8.40	
STK11	p.K178fs*86	10.00		8.00	12.00	
TP53	p.Q331R	7.00		5.60	8.40	
TP53	p.R248W	11.00		8.80	13.20	
TP53	p.P223L	4.00		2.80	5.20	
TP53	p.V274F	8.00		6.40	9.60	
TP53	p.K139Rfs*31	8.00		6.40	9.60	

 Quality: **Agarose gel electrophoresis**

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

 Quantification: **QuantiFluor® assay (Promega) \***

Acceptance Criteria	Reading	Pass/Fail
≥ 400 ng (Average yield)		

\*DNA extraction performed using Maxwell® RSC FFPE plus DNA Kit (Promega)

**FOR RESEARCH USE ONLY**

Manufactured in the UK

**Horizon Discovery**

 8100 Cambridge Research Park,  
 Waterbeach, Cambridge,  
 CB25 9TL, United Kingdom  
[www.horizondiscovery.com/](http://www.horizondiscovery.com/)

 t + 44 (0) 1223 976 000  
 f + 44 (0) 1223 655 581  
 e [orders@horizondiscovery.com](mailto:orders@horizondiscovery.com)