

## Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD799
Batch ID	48707
Product Description	<a href="#">Quantitative Multiplex Formalin Compromised (Moderate) Reference Standard</a>
Date of Manufacture	15-Jun-2021
Manufacturing QMS Status	ISO 9001

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: <a href="https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information">https://horizondiscovery.com/products/diagnostic-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	
N/A	

### Horizon Discovery

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**QUALITY CONTROL**

Allele Frequency (AF) and Genotype: **Droplet Digital™ PCR**

Gene	Variant	Expected AF (%)	Actual AF (%)	Acceptance Criteria (%)		Pass/Fail
				Low	High	
BRAF	V600E	10.5	11.90	7.40	13.70	PASS <input type="checkbox"/>
KIT	D816V	10.0	8.60	7.00	13.00	PASS <input type="checkbox"/>
EGFR	ΔE746-A750	2.0	1.78	1.20	2.80	PASS <input type="checkbox"/>
EGFR	L858R	3.0	3.40	1.80	4.20	PASS <input type="checkbox"/>
EGFR	T790M	1.0	1.38	0.60	1.40	PASS <input type="checkbox"/>
EGFR	G719S	24.5	24.80	19.60	29.40	PASS <input type="checkbox"/>
KRAS	G13D	15.0	14.90	10.50	19.50	PASS <input type="checkbox"/>
KRAS	G12D	6.0	6.18	4.20	7.80	PASS <input type="checkbox"/>
NRAS	Q61K	12.5	11.30	8.80	16.30	PASS <input type="checkbox"/>
PIK3CA	H1047R	17.5	17.30	12.30	22.80	PASS <input type="checkbox"/>
PIK3CA	E545K	9.0	8.28	6.30	11.70	PASS <input type="checkbox"/>

Quantification: **Qubit® dsDNA BR assay (Invitrogen)**

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL	48.20ng/μL	PASS <input type="checkbox"/>

Fragmentation: **D1000 DNA ScreenTape assay (Agilent Tech) TapeStation software version A.02.02**

Acceptance Criteria	Reading	Pass/Fail
DIN 2.5 - 5.0	4.7	PASS <input type="checkbox"/>

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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