

## Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD803
Batch ID	47193
Product Description	<a href="#">Quantitative Multiplex Formalin Compromised (Severe) Reference Standard</a>
Date of Manufacture	11-Feb-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	13.00	7.40	13.70	PASS	<input type="checkbox"/>
KIT	D816V	10.0	11.20	7.00	13.00	PASS	<input type="checkbox"/>
EGFR	ΔE746-A750	2.0	2.43	1.20	2.80	PASS	<input type="checkbox"/>
EGFR	L858R	3.0	4.14	1.80	4.20	PASS	<input type="checkbox"/>
EGFR	T790M	1.0	0.99	0.60	1.40	PASS	<input type="checkbox"/>
EGFR	G719S	24.5	23.10	19.60	29.40	PASS	<input type="checkbox"/>
KRAS	G13D	15.0	15.30	10.50	19.50	PASS	<input type="checkbox"/>
KRAS	G12D	6.0	6.80	4.20	7.80	PASS	<input type="checkbox"/>
NRAS	Q61K	12.5	11.50	8.80	16.30	PASS	<input type="checkbox"/>
PIK3CA	H1047R	17.5	20.10	12.30	22.80	PASS	<input type="checkbox"/>
PIK3CA	E545K	9.0	7.96	6.30	11.70	PASS	<input type="checkbox"/>

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

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL	49.33 ng/μL	PASS <input type="checkbox"/>

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

Acceptance Criteria	Reading	Pass/Fail
DIN ≤ 2.0	1.5	PASS <input type="checkbox"/>

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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