

## Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD803
Batch ID	
Product Description	<a href="#">Quantitative Multiplex Formalin Compromised (Severe) Reference Standard</a>
Date of Manufacture	
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
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	Copy Number (copies/μL)			Expected AF (%)	Actual AF (%)	Acceptance Criteria (%)		Pass/Fail
		WT	Mut	Total			Low	High	
BRAF	V600E				10.5		7.40	13.70	
KIT	D816V				10.0		7.00	13.00	
EGFR	ΔE746-A750				2.0		1.20	2.80	
EGFR	L858R				3.0		1.80	4.20	
EGFR	T790M				1.0		0.60	1.40	
EGFR	G719S				24.5		19.60	29.40	
KRAS	G13D				15.0		10.50	19.50	
KRAS	G12D				6.0		4.20	7.80	
NRAS	Q61K				12.5		8.80	16.30	
PIK3CA	H1047R				17.5		12.30	22.80	
PIK3CA	E545K				9.0		6.30	11.70	

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

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL		

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

Acceptance Criteria	Reading	Pass/Fail
DIN ≤ 2.0		

**FOR RESEARCH USE ONLY**

Manufactured in the UK

**Horizon Discovery**

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