

## Multiplex Formalin Compromised DNA Reference Standard

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

### PRODUCT INFORMATION

Catalog ID	HD799
Batch ID	28255
Product Description	<a href="#">Quantitative Multiplex Formalin Compromised (Moderate) Reference Standard</a>
Date of Manufacture	30-Oct-2017
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

N.B. Batch 28255 was released under concession. The DIN (DNA integrity number) is slightly above the defined range for moderate Formalin Compromised DNA (see Quality Control results). For more information please contact Technical Support.

#### 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
KIT	D816V	10.0	8.20	7.00	13.00	PASS
EGFR	ΔE746-A750	2.0	2.10	1.20	2.80	PASS
EGFR	L858R	3.0	3.90	1.80	4.20	PASS
EGFR	T790M	1.0	1.40	0.60	1.40	PASS
EGFR	G719S	24.5	23.60	19.60	29.40	PASS
KRAS	G13D	15.0	15.70	10.50	19.50	PASS
KRAS	G12D	6.0	5.57	4.20	7.80	PASS
NRAS	Q61K	12.5	12.20	8.80	16.30	PASS
PIK3CA	H1047R	17.5	18.80	12.30	22.80	PASS
PIK3CA	E545K	9.0	7.40	6.30	11.70	PASS

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

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL	47.73 ng/μL	PASS

## Fragmentation: D1000 DNA ScreenTape assay (Agilent Tech)

Acceptance Criteria	Reading	Pass/Fail
DIN 2.5 - 5.0	5.6	FAIL

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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