

Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION

Catalog ID	HD799
Batch ID	32618
Product Description	Quantitative Multiplex Formalin Compromised (Moderate) Reference Standard
Date of Manufacture	07-Aug-2018
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: https://www.horizondiscovery.com/reference-standards/coa-information

CUSTOMER SUPPORT

Technical Support	technical@horizondiscovery.com
Customer Service	orders@horizondiscovery.com

ADDITIONAL INFORMATION

Batch 32618 has been released under concession. The DIN (DNA integrity number) is slightly outside the defined range for moderate formalin-compromised DNA (observed result 5.4. Expected range 2.5-5.0). For more information please contact technical@horizondiscovery.com

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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	10.73	7.40	13.70	PASS
cKIT	D816V	10.0	9.6	7.00	13.00	PASS
EGFR	ΔE746-A750	2.0	1.91	1.20	2.80	PASS
EGFR	L858R	3.0	3.18	1.80	4.20	PASS
EGFR	T790M	1.0	0.86	0.60	1.40	PASS
EGFR	G719S	24.5	24.2	19.60	29.40	PASS
KRAS	G13D	15.0	15.8	10.50	19.50	PASS
KRAS	G12D	6.0	6.02	4.20	7.80	PASS
NRAS	Q61K	12.5	12.2	8.80	16.30	PASS
PIK3CA	H1047R	17.5	17.6	12.30	22.80	PASS
PIK3CA	E545K	9.0	6.73	6.30	11.70	PASS

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

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL	53.63 ng/μl	PASS

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

Acceptance Criteria	Reading	Pass/Fail
DIN 2.5 - 5.0	5.4	FAIL

FOR RESEARCH USE ONLY

Manufactured in the UK

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