

Multiplex Formalin Compromised DNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD803
Batch ID	37601
Product Description	Quantitative Multiplex Formalin Compromised (Severe) Reference Standard
Date of Manufacture	21-May-2019
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	
N/A	

Horizon Discovery

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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	104.5	13.3	117.8	10.5	11.3	7.40	13.70	PASS
KIT	D816V	162.5	18.6	181.1	10.0	10.3	7.00	13.00	PASS
EGFR	ΔE746-A750	187.8	2.9	190.7	2.0	1.51	1.20	2.80	PASS
EGFR	L858R	457	14.4	471.4	3.0	3.05	1.80	4.20	PASS
EGFR	T790M	345	3.3	348.3	1.0	0.95	0.60	1.40	PASS
EGFR	G719S	220.8	74.5	295.3	24.5	25.2	19.60	29.40	PASS
KRAS	G13D	142.9	30.4	173.3	15.0	17.5	10.50	19.50	PASS
KRAS	G12D	217.5	14.9	232.4	6.0	6.43	4.20	7.80	PASS
NRAS	Q61K	269	38.5	307.5	12.5	12.5	8.80	16.30	PASS
PIK3CA	H1047R	145.1	33	178.1	17.5	18.5	12.30	22.80	PASS
PIK3CA	E545K	238	20.5	258.5	9.0	7.9	6.30	11.70	PASS

Quantification: Qubit® dsDNA BR assay (Invitrogen)

Acceptance Criteria	Reading	Pass/Fail
45-55 ng/μL	49.37 ng/μL	PASS

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

Acceptance Criteria	Reading	Pass/Fail
DIN ≤ 2.0	1.7	PASS

FOR RESEARCH USE ONLY

Manufactured in the UK

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