

Multiplex cfDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD786
Batch ID	
Product Description	Structural Multiplex cfDNA Reference Standard
Date of Manufacture	
Manufacturing QMS Status	ISO 9001

PROPERTIES	
Quantity	350 ng
Concentration	20 ng/μL
Average Fragment Length	160 bp
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	

Horizon Discovery

8100 Cambridge Research Park,
Waterbeach, Cambridge,
CB25 9TL, United Kingdom
www.horizondiscovery.com/

t + 44 (0) 1223 976 000
f + 44 (0) 1223 655 581
e orders@horizondiscovery.com

QUALITY CONTROL

 Allele Frequency (AF) / Copy Number and Genotype: **Droplet Digital™ PCR**

Gene	Variant	Expected AF (%) / Copy Number	Actual AF (%) / Copy Number	Acceptance Criteria (%) / Copy Number		Pass/Fail
				Low	High	
GNA11	Q209L	5.6		3.90	7.30	
AKT1	E17K	5.0		3.50	6.50	
PIK3CA	E545K	5.6		3.90	7.30	
EGFR	V769_D770insASV	5.6		3.90	7.30	
EGFR	ΔE746-A750	5.3		3.70	6.90	
ROS1	SLC34A2/ROS1 Fusion	5.6		3.90	7.30	
RET	CCDC6/RET Fusion	5.0		3.50	6.50	
MET	Amplification	4.5 copies		3.20 copies	5.90 copies	
MYC-N	Amplification	9.5 copies		7.60 copies	11.40 copies	

 Fragmentation Size: **D1000 DNA ScreenTape assay (Agilent Technologies) TapeStation software version A.02.02**

Acceptance Criteria	Reading	Pass/Fail
160 bp ± 10% (144 bp – 176 bp)		

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

Acceptance Criteria	Reading	Pass/Fail
20 ng/μL ± 15% (17.0 – 23.0 ng/μL)		

FOR RESEARCH USE ONLY

Manufactured in the UK

Horizon Discovery

 8100 Cambridge Research Park,
 Waterbeach, Cambridge,
 CB25 9TL, United Kingdom
www.horizondiscovery.com/

 t + 44 (0) 1223 976 000
 f + 44 (0) 1223 655 581
 e orders@horizondiscovery.com