

Multiplex gDNA Reference Standard

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

PRODUCT INFORMATION

Catalog ID	HD753
Batch ID	
Product Description	Structural Multiplex gDNA Reference Standard
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

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 (2-8°C)
Use by	For the latest information on product shelf life, please visit our website: https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-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	5.56		4.45	6.67	
AKT1	E17K	5.00		4.00	6.00	
PIK3CA	E545K	5.56		4.45	6.67	
EGFR	V769_D770insASV	5.60		4.48	6.72	
EGFR	ΔE746-A750	5.26		4.21	6.31	
ROS1	SLC34A2/ROS1 Fusion	5.60		4.48	6.72	
RET	CCDC6/RET Fusion	5.00		4.00	6.00	
MET	Amplification	4.50 copies		3.60	5.40	
MYC-N	Amplification	9.50 copies		7.60	11.40	

 Quality: **Agarose gel electrophoresis***

Acceptance Criteria	Band Present/Absent	Pass/Fail
Bright band of high molecular weight		

 Quantification: **Spectrophotometry (A260)***

Acceptance Criteria	50 ng/μL ±4% (Accepted Range: 48-52 ng/μL)	

*Quality Control Test occurs before gDNA is multiplexed

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