

## Multiplex gDNA Reference Standard

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

### PRODUCT INFORMATION

Catalog ID	HD753
Batch ID	
Product Description	<a href="#">Structural Multiplex gDNA Reference Standard</a>
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
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

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#### Horizon Discovery

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**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**

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