

## Singleplex gDNA Reference Standard

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

PRODUCT INFORMATION	
Catalog ID	HD648
Batch ID	
Product Description	<a href="#">100% N-Ras wild type</a>
Date of Manufacture	
Manufacturing QMS Status	ISO 13485

PROPERTIES	
Quantity	5 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: <a href="https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-information">https://horizondiscovery.com/products/diagnostic-reference-standards/reference-standards-product-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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**QUALITY CONTROL**

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

Gene	Mutation	Expected Allele Frequency	Acceptance Criteria	Actual AF (%)	Pass/Fail
N-Ras	A59T	0.00%	0.00-0.10%		
N-Ras	G12D	0.00%	0.00-0.10%		
N-Ras	G13D	0.00%	0.00-0.10%		
N-Ras	G12V	0.00%	0.00-0.10%		
N-Ras	Q61H	0.00%	0.00-0.10%		
N-Ras	Q61K	0.00%	0.00-0.10%		
N-Ras	Q61L	0.00%	0.00-0.10%		
N-Ras	Q61R	0.00%	0.00-0.10%		
N-Ras	A146T	0.00%	0.00-0.10%		
N-Ras	K117N	0.00%	0.00-0.10%		

Quality: **Agarose gel electrophoresis**

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

Quantification: **Spectrophotometry (A260)**

Acceptance Criteria	Reading	Pass/Fail

**FOR RESEARCH USE ONLY**

Manufactured in the UK

**Horizon Discovery**

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