

## Singleplex gDNA Reference Standard

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

### PRODUCT INFORMATION

Catalog ID	HD269
Batch ID	36702
Product Description	50% K-Ras G12C
Date of Manufacture	14-Mar-2019
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

N/A

#### Horizon Discovery

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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
K-Ras	G12C	50.00%	45.00-55.00%	47.40%	PASS
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A

## Quality: Agarose gel electrophoresis

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

## Quantification: Spectrophotometry (A260)

Acceptance Criteria	Reading	Pass/Fail
48.00 - 52.00 ng/μL	50.78 ng/μl	PASS

**FOR RESEARCH USE ONLY**

Manufactured in the UK

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