

Batch Certificate

For Research Use Only

PRODUCT INFORMATION AND QUALITY CONTROL

NAME OF PRODUCT PIK3CA-E545G 50%AF FFPE Reference Standard

DESCRIPTION Human FFPE Reference Standard (curl)

CATALOG NUMBER | SID-000106

BATCH NUMBER 00083

MANUFACTURING

• Manufactured and sealed according to internal quality

CONDITIONS standards related to EN ISO 13485

At room temperature

PACKAGE SIZE AND

• 2D barcoded tube with screw cap

TYPE • Material: Polypropylen (PP)

DATE OF | 16.07.2020

MANUFACTURE

EXPIRY DATE 15.07.2022

FORMAT 10 µm section / 1 curl

MUTATION PIK3CA p.E545G (COSM764*, COSV55873220*, substitution, c.1634A>G, Exon 9)

* GRCh38 COSMIC v91

ALLELIC FREQUENCY 50.0%

QUALITY DNA quantity metrologically traceable to internationally certified

reference material¹

The copy number values are metrologically traceable to the

natural units count 1 and ration 1 and International System of Units

(SI) derived units of volume.

STORAGE + 2-8 °C

CONDITIONS

MANUFACTURING AND | SensID GmbH

QUALITY CONTROL Schillingallee 68, 18057 Rostock, Germany

Schillingalice 60, 10007 Nostock, Germany

SITES

¹ ERM_AD442K

AF in %

50.4

PASS



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TEST METHOD AND	Quality Control	Test Method	Acceptance	
ACCEPTANCE			criteria	
CRITERIA	Cell Density	Visual	> 60 %	
CITILITIA		Agarose gel electrophoresis ²	Bright band of high-	
	Quality	1% Gel with fluorescent DNA	molecular-weight	
		stain in 1 % TAE buffer	gDNA≥20kb	
	Quantification	dsDNA measurement ² : Qubit	dsDNA:	
		dsDNA BR Assay Kit (Invitrogen)	> 400 ng	
		RNA measurement²: Qubit	RNA:	
		RNA BR Assay Kit (Invitrogen)	> 400 ng	
	All I' E	ddPCR Analysis²	AF 50.0 %	
	Allelic Frequency	using BioRad QX200™ System	(45.0-55.0 %)	
RESULTS OF ANALYSIS				
	Result			PASS/FAIL
	Cell Density Visual: > 60 %			PASS
	Quality	Bright band of high-molecular-weight		PASS
		gDNA ≥ 20 kb		
	Quantity	1092.7 ng (dsDNA)		2400
		1369.1 ng (RNA)	PASS	
		_		

COMMENTS/REMARKS

Additional information:

Theoretical DNA yield from 1 curl under the assumption of a diploid chromosome set:

3,164 ng (dsDNA)

Allelic

Frequency

Copy numbers (CN) of the respective measurements

Mutation

PIK3CA E545G

Table 1 indicates the values of the QC assays performed by SensID GmbH with a DNA input of ~10 ng. The value for the respective mutation results from the mean value of eight measured replicates (CN values are rounded). CN values per nanogram extracted DNA, are based on droplet digital (ddPCR) assay counts dilution factors, and droplet volume measurements. The detection of the amount of CNs may vary depending on the assay used. Therefore, due to assay properties, there may be deviations in the observed number of copies and allele frequencies compared to the values given here.

Mutation	CN wt ³ / ng extracted DNA	CN mut ⁴ / ng extracted DNA		
PIK3CA E545G	141	143		

⁴ Mutation

Phone: +49 (0) 381 377 182 01

 $^{^{2}\}mbox{Measured}$ after extraction with Qiagen AllPrep DNA/RNA FFPE Kit

³ Wild Type



Name and position/title of Person authorising the batch release:

Mr. Björn Nowack, Managing Director

Date of batch release: 01.08.2020

Signature batch release: Björn Nowack

This document was created electronically and is valid without a signature.