

## PIK3CA-E542K 100%AF FFPE Reference Standard curl (SID-000101) – Instructions for use

For Research Use Only

### SensID Bringing Precision to Molecular Diagnostics

Every diagnostic test as well as R&D needs references and controls. SensID GmbH manufactures High Quality Reference Materials / Controls for Molecular Diagnostics.








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### Content

Product	Catalog No.
PIK3CA-E542K 100%AF FFPE Reference Standard curl	SID-000101

### Symbols

	Catalog number
	Lot number
	Use by
	Legal manufacturer
	Not for reuse
	Temperature limitations
	GHS07: Harmful

### Storage

PIK3CA-E542K 100%AF FFPE Reference Standard curl should be stored at 2°C to 8°C upon arrival. PIK3CA-E542K 100%AF FFPE Reference Standard curl is stable until the expiration date when stored under these conditions.

### Intended Use

PIK3CA-E542K 100%AF FFPE Reference Standard curl contains a precisely defined allelic frequency of different genes. It was developed and manufactured as a control material to imitate human FFPE embedded tissue as closely as possible. Cells were fixed with 10% Formalin and embedded in Paraffin (FFPE = Formalin Fixed Paraffin Embedded). The embedded tissue blocks were cut in such a way that the resulting cuts curl up.

#### Intended application is:

1. Extraction process validation
2. As comparative probe for validation of processes for the verification of the Gen-Mutation mutation
3. Control in workflow validation
4. Validation and development of targeted sequencing protocols (Amplicon Sequencing) and PCR protocols
5. Analyze the performance of your NGS pipeline by comparing to freely available datasets

Protocol: PIK3CA-E542K 100%AF FFPE Reference Standard curl

### Important point before starting:

- It is recommended to centrifuge SID-000100 briefly to avoid loss of material while opening the vial!
- To avoid contaminations in the vial work in clean environment (e.g. laminar flow hood)
- The curl contains cells from a human cell line
- While the presence and frequency of each mutation and/or amplification in this product is evaluated during manufacture using ddPCR assay, there may be differences in observed allele frequencies due to specific assay characteristics.

### Technical Assistance

Our Technical Service Assistance is staffed by experienced scientists with extensive practical and theoretical expertise with our products. If you have any questions or experience any difficulties regarding the PIK3CA-E542K 100%AF FFPE Reference Standard curl or SensID GmbH products in general, please do not hesitate to contact us.

SensID GmbH customers are a major source of information regarding advanced or specialized uses of our products. This information is helpful to other scientists as well as to the researchers at SensID GmbH. We therefore encourage you to contact us if you have any suggestions about product performance or new applications and techniques.

For technical assistance and more information, please see our Website [www.sens-id.com](http://www.sens-id.com) or call one of the SensID GmbH Technical Service Assistance.

### Product Use limitations

Attention should be paid to expiration dates and storage conditions printed on the box and labels of all components. Do not use expired or incorrectly stored components. Check primary packaging before first opening. Do not use products from damaged primary packaging.

### Quality Control

In accordance with SensID's Quality Management System, each lot of PIK3CA-E542K 100%AF FFPE Reference Standard curl is tested against predetermined specifications to ensure consistent product quality.

### Warnings and precautions

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate safety data sheets (SDS). These are available online in convenient and compact PDF format at [www.sens-id.com/shop/ffpe-en/ashkenazim-son-ffpe-reference-standard-curl/sid-000101](http://www.sens-id.com/shop/ffpe-en/ashkenazim-son-ffpe-reference-standard-curl/sid-000101) where you can find, view, and print the SDS for each SensID GmbH product, kit component and other products.

#### Avoid contamination of the product when opening and closing the vial.

CAUTION: Handle as though it is capable of transmitting infectious agents. This product is formulated using a human cell line.

### Equipment and Reagents to Be Supplied by User

- Pipets (adjustable)<sup>1</sup>
- Sterile pipet tips with filters

<sup>1</sup> Ensure that instruments have been checked and calibrated according to the manufacturer's recommendations.

