

Manufacturing Quality

ISO 9001:2015

ISO 13485:2016

## Certificate of Analysis

Onco-Ref™ FFPE Cell Scroll Reference Standard PIK3CA c.1633G>A p.E545K  
 COSM763

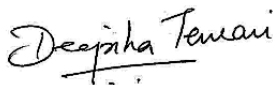
### Product Information

<b>Catalog Number:</b>	ASE-6054S
<b>Lot Number:</b>	E6054S180602
<b>Expiration Date:</b>	2021-06-01
<b>Quantity/Volume/Size:</b>	20 µm section with a 7.0 mm diameter cell pellet core / 1 scroll
<b>Gene Name:</b>	PIK3CA
<b>Nucleotide Change:</b>	c.1633G>A
<b>Amino Acid Change:</b>	p.E545K
<b>Mutation Id:</b>	COSM763
<b>Cell:</b>	HCT 116
<b>Storage Temperature:</b>	-20°C
<b>Shipping Temperature:</b>	Ambient
<b>Instructions for Use:</b>	Refer to product Datasheet (Available <a href="http://www.accuref.com">www.accuref.com</a> )
<b>Intended Use:</b>	For Research Use Only. Not intended for human or animal diagnostics or therapeutics.

### Quality Control

Test	Method	Acceptance Criteria	Result
Genotyping	Sanger Sequencing	Homozygous	PASS
Quality (H&E)	H&E Staining	Stain Quality	PASS
Cell Density	Visual	>60%	PASS

AccuRef Diagnostics certifies that this standard meets the specifications stated in this certificate and warrants this product to meet the stated acceptance criteria through the expiration date when stored unopened as recommended.

	<b>2019-01-22</b>
<b>Quality Assurance</b>	<b>Date</b>

COA-ASE-6054S-V1