

Manufacturing Quality

ISO 9001:2015

ISO 13485:2016

## Certificate of Analysis

**Onco-Ref™ FFPE Cell Scroll Reference Standard PIK3CA c.3140A>T  
p.H1047L COSM776**

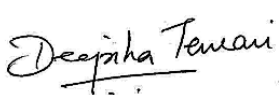
### Product Information

<b>Catalog Number:</b>	ASE-6052S
<b>Lot Number:</b>	E6052S201215
<b>Expiration Date:</b>	2022-01-03
<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.3140A>T
<b>Amino Acid Change:</b>	p.H1047L
<b>Mutation Id:</b>	COSM776
<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>	Research Use Only. Not Intended for human or animal diagnostic or therapeutic use.

### Quality Control

Test	Method	Acceptance Criteria	Result
<b>Genotyping</b>	Sanger Sequencing	Homozygous	PASS
<b>Quality (H&amp;E)</b>	H&E Staining	Stain Quality	PASS
<b>Cell Density</b>	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>2019-01-30</b>
<b>Quality Assurance</b>	<b>Date</b>

COA-ASE-6052S-V1