

Manufacturing Quality
ISO 9001:2015
ISO 13485:2016

## Certificate of Analysis

**Onco-Ref™ FFPE Cell Scroll Reference Standard BRCA1 c.68\_69delAG  
p.E23fs\*17 COSM3190163**

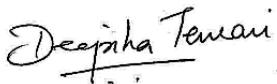
### Product Information

<b>Catalog Number:</b>	ASE-6107S
<b>Lot Number:</b>	E6107S201221
<b>Expiration Date:</b>	2022-01-09
<b>Quantity/Volume/Size:</b>	20 µm section with a 7.0 mm diameter cell pellet core / 1 scroll
<b>Gene Name:</b>	BRCA1
<b>Nucleotide Change:</b>	c.68_69delAG
<b>Amino Acid Change:</b>	p.E23fs*17
<b>Mutation Id:</b>	COSM3190163
<b>Cell:</b>	HCT116
<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
<b>Quality (H&amp;E)</b>	H&E Staining	Stain Quality	PASS
<b>Cell Density</b>	Visual	>60%	PASS
<b>Genotyping Tests</b>	Sanger Sequencing/NGS	Heterozygous	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.

	2019-06-18
<b>Quality Assurance</b>	<b>Date</b>

COA-ASE-6107S-V1