

Manufacturing Quality
ISO 9001:2015
ISO 13485:2016

Certificate of Analysis

**Onco-Ref™ FFPE Cell Scroll Reference Standard BRCA1 c.3481_3491del11
p.E1161Fs OMIM: 113705.0025**

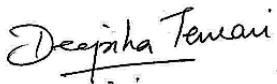
Product Information

Catalog Number:	ASE-6112S
Lot Number:	S112190515
Expiration Date:	2022-05-14
Quantity/Volume/Size:	20 µm section with a 7.0 mm diameter cell pellet core / 1 scroll
Gene Name:	BRCA1
Nucleotide Change:	c.3481_3491del11
Amino Acid Change:	p.E1161Fs
Mutation Id:	OMIM: 113705.0025
Cell:	HCT116
Storage Temperature:	-20°C
Shipping Temperature:	Ambient
Instructions for Use:	Refer to product Datasheet (Available www.accuref.com)
Intended Use:	Research Use Only. Not Intended for human or animal diagnostic or therapeutic use.

Quality Control

Test	Method	Acceptance Criteria	Result
Genotyping	Sanger Sequencing	Heterozygous	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.

	2019-06-18
Quality Assurance	Date

COA-ASE-6112S-V1