

Manufacturing Quality

ISO 9001:2015

ISO 13485:2016

Certificate of Analysis

**Onco-Ref™ Genomic DNA Reference Standard ESR1 c.1610A>C p.Y537S
COSM1074639**

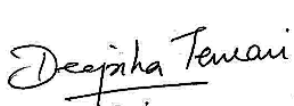
Product Information

Catalog Number:	ASE-6170G-1
Lot Number:	E6170G291020-1
Expiration Date:	2020-09-18
Quantity/Volume/Size:	1 µg / 20 µl / 1 vial
Gene Name:	ESR1
Nucleotide Change:	c.1610A>C
Amino Acid Change:	p.Y537S
Mutation Id:	COSM1074639
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	Homozygous	PASS
Quality	Gel Electrophoresis	No Smear	PASS
Quantification	Qubit 4.0 Fluorometer	50 -60 ng /µl	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.

	2018-10-03
Quality Assurance	Date

COA-ASE-6170G-1-V2