



Assay Technologies Ltd.

APIS ESR1 Mutations Controls

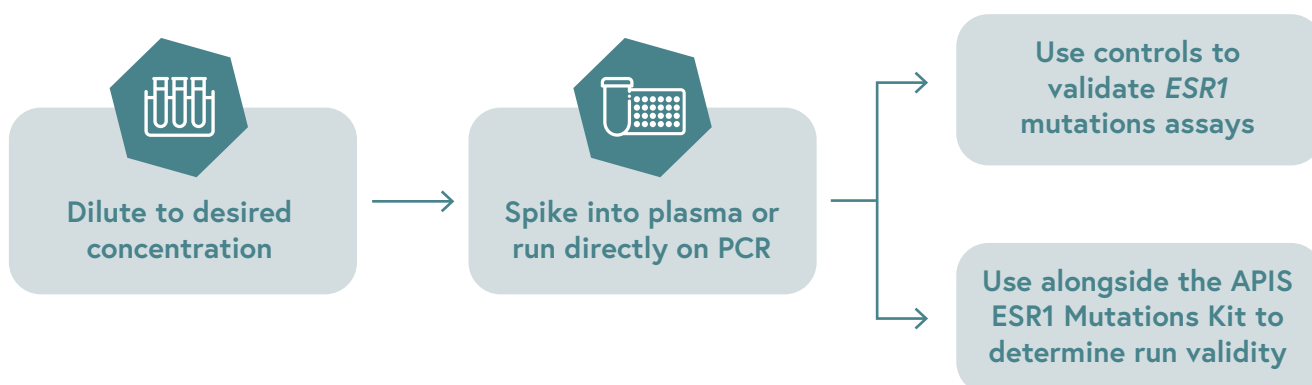
The APIS ESR1 Mutations Controls serve as a quality control material and can be used for oestrogen receptor gene (*ESR1*) mutations assay validations, or alongside the APIS ESR1 Mutations Kit as run validity controls. The product consists of two tubes, a negative and a positive control. The positive control contains DNA fragments encoding eleven mutations within the *ESR1* gene, as well as a reference sequence encoding a fragment of exon 3.



Targets Covered by the APIS ESR1 Mutations Controls

Exon	Target	Nucleic Acid Change	COSMIC ID	Approximate copies (copies/ μ L)
5	E380Q	c.1138G>C	COSM3829320	40
7	S463P	c.1387T>C	COSM4771561	40
8	P535H	c.1604C>A	COSM4944018	100
	L536R L536Q L536H L536P	c.1607T>G c.1607_1608delinsAG (TC>AG) c.1607T>A c.1607T>C	COSM4774826 COSM4766050 COSM6843697 COSM6906109	20 20 20 20
	Y537S Y537N Y537C	c.1610A>C c.1609T>A c.1610A>G	COSM1074639 COSM1074635 COSM1074637	200 80 40
	D538G	c.1613A>G	COSM94250	80
	3	Reference	N/A	N/A

APIS ESR1 Mutations Controls Recommended Workflow



APIS ESR1 Mutations Kit and Controls

The APIS ESR1 Mutations Controls can be used in combination with the APIS ESR1 Mutations Kit for the detection of 11 *ESR1* mutations from DNA (e.g. cfDNA) using qPCR assay. The controls allow users to expand sample testing across more PCR plates.



APIS ESR1 Mutations Kit Ordering Information

Assay Name	Test Type	Kit Size	Volume	Catalogue Number	Price
APIS ESR1 Mutations Controls	RUO	24 reactions	128 µL each	02801 (distributed by APIS)	Available upon request
APIS ESR1 Mutations Controls	RUO	24 reactions	128 µL each	02802 (distributed by Biocartis)	Available upon request

Please visit the product web page, for the list of countries that Biocartis distributes the APIS ESR1 Mutations Controls. APIS is the distributor for all other countries. Data and conclusions provided in this leaflet have not been validated by Biocartis NV.

International distributor:



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**The APIS ESR1 Mutations Controls are a Research Use Only (RUO) product.
 Not for use in diagnostic procedures.**