

CELL PANEL

UTERINE CANCER CELL PANEL

The Uterine Cancer Cell Panel (ATCC® [TCP-1023™](#)) comprises 5 uterine tumor cell lines with varying degrees of genetic complexity. They have genomic mutations in one or more of the following genes according to the Sanger COSMIC database: CDKN2A, APC, PIK3, PTEN, RB1, FBXW7, MAP2K4, BRCA, HRAS, NF2, and TP53. The table below provides more information for the cell lines included in this table.

ATCC® No.	Name	Tissue	Histology	Tumor Source	Mutant Gene	Zygoty	Gene Sequence	Protein Sequence
CRL-1976™	MES-SA	uterus	uterine sarcoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
HTB-114™	SK-UT-1	uterus	leiomyosarcoma	primary	APC APC PIK3CA PTEN PTEN RB1 TP53 TP53	heterozygous heterozygous heterozygous heterozygous heterozygous homozygous heterozygous heterozygous	c.3286C>T c.4666delA c.263G>A c.955_958delACTT c.968_969insA c.1959delA c.524G>A c.743G>A	p.Q1096* p.T1556fs*9 p.R88Q p.T319fs*1 p.N323fs*2 p.V654fs*4 p.R175H p.R248Q
CRL-1622™	KLE	endometrium	adenocarcinoma	primary	FBXW7 MAP2K4 TP53	heterozygous homozygous homozygous	c.1436G>A c.1_218del218 c.524G>A	p.R479Q p.? p.R175H
HTB-111™	AN3-CA	endometrium	adenocarcinoma	metastasis	FBXW7 PIK3R1 PTEN TP53 TP53 TP53	heterozygous heterozygous homozygous heterozygous heterozygous heterozygous	c.1321C>T c.167_1681delGAGAAATTGACA c.389delG c.1165G>T c.267delC c.638G>A	p.R441W p.R557_K561>Q p.R130fs*4 p.G389W p.S90fs*33 p.R213Q
CRL-1671™	SW626	endometrium	carcinoma	primary	BRCA2 BRCA2 HRAS NF2 NF2 PTEN PTEN TP53 TP53	heterozygous heterozygous heterozygous heterozygous heterozygous heterozygous heterozygous heterozygous heterozygous	c.4285_4286insT c.5465_5466insA c.183G>T c.1084C>T c.514delA c.968_969insA c.968delA c.216delC c.652_654delGTG	p.Q1429fs*9 p.N1822fs*2 p.Q61H p.Q362* p.R172fs*2 p.N323fs*2 p.N323fs*21 p.V73fs*50 p.V218del