

CELL PANEL

GYNECOLOGICAL CANCER CELL PANEL

The Gynecological Cancer Cell Panel (ATCC® [TCP-1024™](#)) is composed of 9 tumor cell lines representing an array of gynecological cancers with varying degrees of genetic complexity. Each culture contains genomic mutations in one or more of the following genes according to the Sanger COSMIC database: PIK3CA, FAM123B, APC, KRAS, CCDKN2A, PTEN, RB1, FBXW7, MAP2K4, and TP53. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	Tissue	Histology	Tumor Source	Mutant Gene	Zygosity	Gene Sequence	Protein Sequence
HTB-88™	SK-LMS-1	vulva	leiomyosarcoma	primary	TP53	heterozygous	c.733G>A	p.G245S
HTB-32™	HT-3	cervix	carcinoma	primary	TP53	homozygous	c.734G>T	p.G245V
HTB-33™	ME-180	cervix	carcinoma	metastasis	PIK3CA	heterozygous	c.1633G>A	p.E545K
HTB-75™	Caov-3	ovarian	adenocarcinoma	primary	FAM123B STK11 TP53	homozygous homozygous homozygous	c.1_2415del2415 c.1_1302del1302 c.406C>T	p.0? p.0? p.Q136*
HTB-78™	SW626	ovarian	adenocarcinoma	primary	APC KRAS TP53	homozygous heterozygous homozygous	c.2926_2927insA c.35G>T c.785G>T	p.R976fs*9 p.G12V p.G262V
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.1670_1681del- GAGAAATTGACA c.389delG c.1165G>T c.267delC c.683G>A	p.R441W p.R557_ K561>Q p.R130fs*4 p.G389W p.S90fs*33 p.R213Q

The mutation data was obtained from the Sanger Institute Catalogue Of Somatic Mutations In Cancer web site, <http://www.sanger.ac.uk/cosmic> Bamford *et al* (2004) The COSMIC (Catalogue of Somatic Mutations in Cancer) database and website. Br J Cancer, 91,355-358. ATCC and The Sanger Institute provide these data in good faith, but make no warranty, express or implied, nor assumes any legal liability or responsibility for any purpose for which the data are used.