



CELL PANEL

CERVICAL CANCER CELL PANEL

The Cervical Cancer Cell Panel (ATCC® TCP-1022™) is composed of 4 cervical tumor cell lines 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, BRCA2, STK11, FBXW7, MSH2, PTEN, RB1, 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
CRL-1550	Ca-Ski	cervix	squamous cell carcinoma	metastasis	PIK3CA	heterozygous	c.1633G>A	p.E545K
CRL-7920	DoTc2-4510	cervix	carcinoma	primary	BRCA2	homozygous	c.9382C>T	p.R3128*
HTB-35	SiHa	cervix	squamous cell carcinoma	primary	STK11	homozygous	c.1_1302del1302	p.0?
HTB-31	C-33-A	cervix	carcinoma	primary	FBXW7	heterozygous	c.1394G>A	p.R465H
					MSH2	heterozygous	c.2304delA	p.E768fs*44
					MSH2	heterozygous	c.2579C>A	p.S860*
					PIK3CA	heterozygous	c.263G>A	p.R88Q
					PTEN	heterozygous	c.388C>T	p.R130*
					PTEN	heterozygous	c.697C>T	p.R233*
					RB1	homozygous	c.1961-1G>A	p.?
					TP53	homozygous	c.817C>T	p.R273C

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. The ATCC trademark and trade name, any and all ATCC catalog numbers, and any other trademarks listed are trademarks of the American Type Culture Collection unless indicated otherwise. ATCC products are intended for laboratory research only. They are not intended for use in humans, animals or diagnostics.

