

CELL PANEL

BLADDER CANCER CELL PANEL

The Bladder Cancer Cell Panel (ATCC® [TCP-1020™](#)) comprises 8 bladder tumor cell lines with varying degrees of genetic complexity. Each culture contains genetic mutations in one or more of the following genes according to the Sanger COSMIC database: PIK3CA, RB1, RAS, TSC1, CDKN2A, PTEN, 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-9™	5637	urinary bladder	carcinoma	primary	TP53	heterozygous	c.733G>A	p.G245S
					RB1	homozygous	c.975T>A	p.Y325*
					TP53	homozygous	c.839G>C	p.R280T
CRP-1473™	HT-1197	urinary bladder	carcinoma	primary	NRAS	heterozygous	c.182A>G	p.Q61R
					PIK3CA	heterozygous	C.1633G>A	p.E545K
CRL-1472™	HT-1376	urinary bladder	carcinoma	primary	RB1	homozygous	c.2104C>T	p.Q702*
					TP53	homozygous	c.749C>T	p.P250L
HTB-2™	RT4	urinary bladder	carcinoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
					TSC1	homozygous	c.1669delC	p.L557fs*72
CRL-2169™	SW780	urinary bladder	carcinoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
HTB-4™	T-24	urinary bladder	carcinoma	primary	HRAS	homozygous	c.35G>T	p.G12V
					TP53	homozygous	c.378C>G	p.Y126*
HTB-5™	TCCSUP	urinary bladder	carcinoma	primary	PIK3CA	heterozygous	c.1633G>A	p.E545K
					RB1	homozygous	c.1696_2787del1092	p.?
					TP53	homozygous	c.1045G>T	p.E349?
CRL-1749™	UM-UC-3	urinary bladder	carcinoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
					KRAS	homozygous	c.34G>T	p.G12C
					PTEN	homozygous	c.1_1212del1212	p.0?
					TP53	homozygous	c.338T>G	p.F113C

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.