CELL PANEL

BRAIN CANCER CELL PANEL

The Brain Cancer Cell Panel (ATCC® TCP-1017™) comprises 4 brain cancer 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: TP53, CDKN2A, PTEN, and NF1. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	Tumor Source	Tumorigenic	Histology	Mutant Gene	Zygosity	Gene Sequence	Protein Sequence
CRL-2060™	PFSK-1	primary	yes	primitive neuroectodermal tumor (PNET)	TP53	homozygous	c.823T>G	p.C275G
CRL-1620™	A172	primary	no	glioma	CDKN2A	homozygous	c.1_471del471	p.0?
					PTEN	homozygous	c.165_1212del1048	p.R55fs*1
HTB-12™	SW1088	primary	yes	glioma	CDKN2A	homozygous	c.1_471del471	p.0?
					PTEN	homozygous	c.165_1212del1048	p.R55fs*1
					TP53	homozygous	c.817C>T	p.R273C
HTB-186™	Daoy	primary	yes	medulloblastoma	CDKN2A	homozygous	c.1_471del471	p.0?
					NF1	homozygous	c.61_4835del4775	p.?
					TP53	homozygous	c.725G>T	p.C242F

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.