

# CELL PANEL

## MELANOMA CANCER CELL PANEL

The Melanoma Cancer Cell Panel (ATCC® [TCP-1013™](#)) is composed of 4 melanoma 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: BRAF, CTNNB1, CDKN2A, STK11, and PTEN. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	Tumor Source	Histology	Mutant Gene	Zygoty	Gene Sequence	Protein Sequence
<a href="#">HTB-67™</a>	SK-MEL-1	primary	malignant melanoma	BRAF	heterozygous	c.1799T>A	p.V600E
				CTNNB1	heterozygous	c.98C>G	p.S33C
<a href="#">CRL-1619™</a>	A375	primary	malignant melanoma	BRAF	homozygous	c.1799T>A	p.V600E
				CDKN2A	homozygous	c.181G>T	p.E61*
				CDKN2A	homozygous	c.205G>T	p.E69*
<a href="#">CRL-1424™</a>	G-361	primary	malignant melanoma	BRAF	heterozygous	c.1799T>A	p.V600E
				CDKN2A	homozygous	c.1_471del471	p.0?
				STK11	homozygous	c.842delC	p.P281fs*6
CRL-1675™	WM-115	primary	malignant melanoma	BRAF	heterozygous	c.1799_1800TG>AT	p.V600D
				CDKN2A	homozygous	c.1_150del150	p.?
				PTEN	homozygous	c.493_634del142	p.?

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.