



MELANOMA CANCER CELL PANEL

The Melanoma Cancer Cell Panel (**ATCC® No. TCP-1013™**) is comprised of 3 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, and STK11. 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
HTB-67™	SK-MEL-1	primary	malignant melanoma	BRAF	heterozygous	c.1799T>A	p.V600E
				CTNNB1	heterozygous	c.98C>G	p.S33C
CRL-1619™	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*
CRL-1424™	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