



SOFT-TISSUE SARCOMA CELL PANEL

The Soft-Tissue Sarcoma Cell Panel (**ATCC® No. TCP-1019™**) is comprised of 6 soft-tissue 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: CDKN2A, IDH1, NRAS, BRAF, 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-91™	SW684	connective tissue	fibrosarcoma	primary	TP53	homozygous	c.637C>T	p.R213*
CCL-121™	HT-1080	connective tissue	fibrosarcoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
					IDH1	heterozygous	c.394C>T	p.R132C
					NRAS	heterozygous	c.181C>A	p.Q61K
HTB-93™	SW982	synovium	synovial sarcoma	primary	BRAF	heterozygous	c.1799T>A	p.V600E
					CDKN2A	homozygous	c.1_471del471	p.0?
CCL-136™	RD	Striated muscle	rhabdomyosarcoma	primary	NRAS	homozygous	c.183A>T	p.Q61H
					TP53	homozygous	c.742C>T	p.R248W
TIB-223™	GCT	fibrous tissue	malignant fibrous histiocytoma	metastasis	BRAF	heterozygous	c.1799T>A	p.V600E
					CDKN2A	homozygous	c.95_96TG>GT	p.L32R
					TP53	heterozygous	c.741_742CC>TT	p.R248W
					TP53	heterozygous	c.948_949CC>TT	p.Q317*
HTB-92™	SW872	fat	liposarcoma	primary	BRAF	heterozygous	c.1799T>A	p.V600E
					CDKN2A	homozygous	c.237_238CC>TT	p.R80*
					PTEN	homozygous	c.1_1212del1212	p.0?
					TP53	homozygous	c.752T>A	p.I251N