

# CELL PANEL

## SOFT-TISSUE SARCOMA CELL PANEL

The Soft-Tissue Sarcoma Cell Panel (ATCC® [TCP-1019™](#)) is composed of 6 soft-tissue tumor cells 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	Zygoty	Gene Sequence	Protein Sequence
<a href="#">HTB-91™</a>	SW684	connective tissue	fibrosarcoma	primary	TP53	homozygous	c.637C>T	p.R213*
<a href="#">CCL-121™</a>	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
<a href="#">HTB-93™</a>	SW982	synovium	synovial sarcoma	primary	BRAF	heterozygous	c.1799T>A	p.V600E
					CDKN2A	homozygous	c.1_471del471	p.0?
<a href="#">CCL-136™</a>	RD	striated muscle	rhabdomyosarcoma	primary	NRAS	homozygous	c.183A>T	p.Q61H
					TP53	homozygous	c.742C>T	p.R248W
<a href="#">TIB-223™</a>	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*
<a href="#">HTB-92™</a>	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

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.