THE ESSENTIALS OF
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PANCREATIC CANCER PANEL

Pancreatic Cancer Panel (**ATCC® No. TCP-1026™**) is comprised of seven pancreatic cancer cell lines. They have genomic mutations in one or more of the following genes according to the Sanger COSMIC database: CDKN2A, FBXW7, KRAS, MAP2K4, SMAD4, and TP53. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	Histology	Tumor Source	Mutant Gene	Zygosity	Gene Sequence	Protein Sequence
HTB-80™	Capan-2	Adenocarcinoma	primary	KRAS	heterozygous	c.35G>T	p.G12V
CRL-2547™	Panc 10.05	Adenocarcinoma	primary	KRAS	heterozygous	c.35G>A	p.G12D
				TP53	heterozygous	c.764T>A	p.I255N
CRL-1918™	CFPAC-1	Ductal adenocarcinoma	metastasis, liver	KRAS	heterozygous	c.35G>T	p.G12V
				SMAD4	homozygous	c.1_1659del1659	p.0?
				TP53	homozygous	c.724T>C	p.C242R
CRL-1997™	HPAF-II	Adenocarcinoma	metastasis, ascites	CDKN2A	homozygous	c.85_101del17	p.R29fs*9
				KRAS	heterozygous	c.35G>A	p.G12D
				TP53	homozygous	c.451C>T	p.P151S
CRL-2172™	SW 1990	Adenocarcinoma	metastasis, spleen	CDKN2A	homozygous	c.1_471del471	p.0?
				KRAS	homozygous	c.35G>A	p.G12D
CRL-1687™	BxPC-3	Adenocarcinoma	primary	CDKN2A	homozygous	c.1_471del471	p.0?
				MAP2K4	homozygous	c.1041_1200del160	p.?
				SMAD4	homozygous	c.1_1659del1659	p.0?
				TP53	homozygous	c.659A>G	p.Y220C
CRL-1682™	AsPC-1	Adenocarcinoma	metastasis, ascites	CDKN2A	homozygous	c.233_234delTC	p.L78fs*41
				FBXW7	heterozygous	c.1393C>T	p.R465C
				KRAS	homozygous	c.35G>A	p.G12D
				MAP2K4	homozygous	c.1-?_393+?del	p.?
				TP53	homozygous	c.403delT	p.C135fs*35

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.