

# CELL PANEL

## STOMACH (GASTRIC) CANCER PANEL

The Stomach (Gastric) Cancer Panel (ATCC® [TCP-1008™](#)) is composed of 6 stomach cancer cell lines isolated from both primary and metastatic sites. Each culture contains genomic mutations in one or more of the following genes according to the Sanger COSMIC database: CDKN2A, TP53, SMAD4, CDH1, CTNNB1, KRAS, MLH1 and PIK3CA. The table below provides more information for the cell lines included in this panel.

ATCC® No.	Name	Histology	Tumor Source	Mutant Gene	Zygoty	Gene Sequence	Protein Sequence
<a href="#">HTB-103™</a>	KATOIII	carcinoma	metastasis	TP53	homozygous	c.1_1182del1182	p.0?
<a href="#">CRL-5822™</a>	NCI-N87	carcinoma	metastasis	SMAD4	homozygous	c.1_955del955	p.?
		carcinoma	metastasis	TP53	homozygous	c.743G>A	p.R248Q
<a href="#">CRL-5974™</a>	SNU-16	carcinoma	metastasis	CDKN2A	homozygous	c.1_471del471	p.0?
		carcinoma	metastasis	CDKN2a(p14)	homozygous	c.1_522del522	p.0?
		carcinoma	metastasis	TP53	homozygous	c.614A>T	p.Y205F
<a href="#">CRL-5973™</a>	SNU-5	carcinoma	metastasis	CDH1	heterozygous	c.687+1G>C	p.?
		carcinoma	metastasis	CDKN2A	homozygous	c.238C>T	p.R80*
		carcinoma	metastasis	TP53	homozygous	c.783-2A>C	p.?
<a href="#">CRL-1739™</a>	AGS	carcinoma	primary	CDH1	homozygous	c.1733_1734insC	p.G579fs*9
		carcinoma	primary	CTNNB1	heterozygous	c.101G>A	p.G34E
		carcinoma	primary	KRAS	heterozygous	c.35G>A	p.G12D
		carcinoma	primary	PIK3CA	heterozygous	c.1357G>A	p.E453K
<a href="#">CRL-5971™</a>	SNU-1	carcinoma	primary	KRAS	heterozygous	c.35G>A	p.G12D
		carcinoma	primary	MLH1	homozygous	c.676C>T	p.R226*

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.