

# CELL PANEL

## HEAD AND NECK CANCER PANEL

The Head and Neck Cancer Panel (ATCC® [TCP-1012™](#)) is composed of 6 cell lines from salivary gland, tongue, hypopharynx and pharynx. Each culture contains genomic mutations in one or more of the following genes according to the Sanger COSMIC database: CDKN2A, TP53, SMAD4, PIK3CA and KDM5C. 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 |
|--------------------------|-------------|----------------|-----------|--------------|-------------|--------------|-----------------|------------------|
| <a href="#">HTB-41</a>   | A-253       | salivary gland | carcinoma | primary      | CDKN2A      | homozygous   | c.49_61del13    | p.A17fs*5        |
|                          |             |                |           |              | KDM5C       | homozygous   | c.3354G>A       | p.W1118*         |
|                          |             |                |           |              | TP53        | homozygous   | c.539delA       | p.E180fs*67      |
| <a href="#">CRL-1623</a> | SCC-15      | tongue         | carcinoma | primary      | TP53        | homozygous   | c.672+1G>T      | p.?              |
| <a href="#">CRL-1628</a> | SCC-25      | tongue         | carcinoma | primary      | CDKN2A      | homozygous   | c.1_471del471   | p.0?             |
|                          |             |                |           |              | TP53        | homozygous   | c.625_626delAG  | p.R209fs*6       |
| <a href="#">CRL-1629</a> | SCC-9       | tongue         | carcinoma | primary      | CDKN2A      | homozygous   | c.1_150del150   | p.?              |
|                          |             |                |           |              | TP53        | homozygous   | c.822_853del32  | p.C275fs*20      |
| <a href="#">HTB-43</a>   | FaDu        | hypopharynx    | carcinoma | primary      | CDKN2A      | homozygous   | c.151-1G>T      | p.?              |
|                          |             |                |           |              | SMAD4       | homozygous   | c.1_1659del1659 | p.0?             |
|                          |             |                |           |              | TP53        | heterozygous | c.376-1G>A      | p.?              |
|                          |             |                |           |              | TP53        | heterozygous | c.743G>T        | p.R248L          |
| <a href="#">CCL-138</a>  | Detroit 562 | pharynx        | carcinoma | metastasis   | CDKN2A      | homozygous   | c.1_457del457   | p.?              |
|                          |             |                |           |              | PIK3CA      | heterozygous | c.3140A>G       | p.H1047R         |
|                          |             |                |           |              | TP53        | homozygous   | c.524G>A        | p.R175H          |

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.