www.celther.com

Celther POLSKA

Primary human cancer CELL CULTURES

Prostate - breast - colon cancer

Celther Polska offers primary human cancer cell cultures from a variety of tissue sources, including breast, colon and prostate.

Cell culture exemplary characteristics

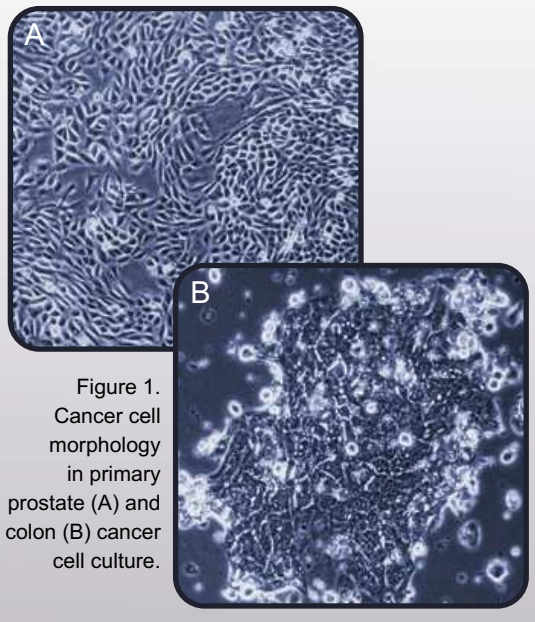

Figure 1. Cancer cell morphology in primary prostate (A) and colon (B) cancer cell culture.

Are you looking for cells which are ideally suited to support your research?

Take advantage of a useful tool, primary human cancer cell cultures made by Celther, to support your *in vitro* studies in many fields, including cancer, gene regulation, cell-matrix interactions as well as toxicology, drug development and drug screening.

Description	Celther Cat. No.:
CLTH/PC, Primary human prostate cancer cell culture	CL 04001-CLTH
CLTH/BC, Primary human breast cancer cell culture	CL 04002-CLTH
CLTH/CC, Primary human colon cancer cell culture	CL 04003-CLTH

GENERAL INFORMATION

All primary cancer cell cultures offered by Celther Polska are molecularly characterized by Multiplex Ligation-dependent Probe Amplification (MLPA), Fluorescence *in situ* hybridization (FISH), Immunocytochemistry, Real-Time PCR and sequencing analyses of selected genes and hot spot mutations (additional analyses acceptable). Cells are obtained from patients diagnosed based on histopathological and immunohistochemical findings. Primary cell cultures are tested and free of microbial contamination.

Primary cell cultures are shipped in dry ice and provided to customers in cryovials containing at least 1 x 10^6 cells/mL.

For each type of primary cell culture Celther Polska recommends optimal complete growth medium. Moreover, primary cell culture may be delivered with optimal cell culture medium with all necessary supplements help to maintain cells in culture as long as possible.

All information relating these products are available on www.celther.com and delivered with cryovials.

Cell cultures can be ordered by purchase order via e-mail.

APPLICATIONS

Drug discovery and development - Drug testing - Drug screening - Basic research - Functional analyses - Cytotoxicity analyses

CONTACT

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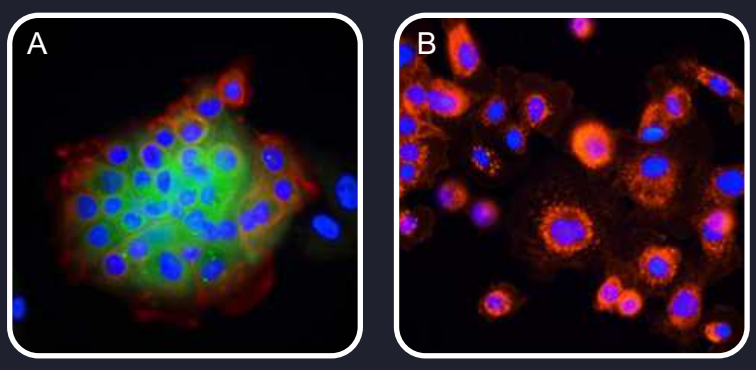

Figure 2. Exemplary immunocytochemical analyses of primary prostate cancer cells *in vitro*: (A) EGFR (red signal) and pan-Cytokeratin expression (green signal) in cell colony; DAPI (blue signal). (B) EGFR expression (red signal), DAPI (blue signal).

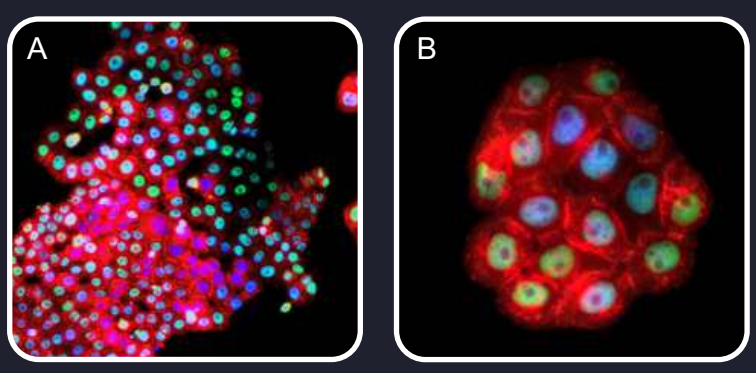

Figure 3. Exemplary immunocytochemical analyses of primary breast cancer cells *in vitro*: (A-B) EGFR expression (red signal) and TP53 nuclear accumulation (green signal); DAPI (blue signal).

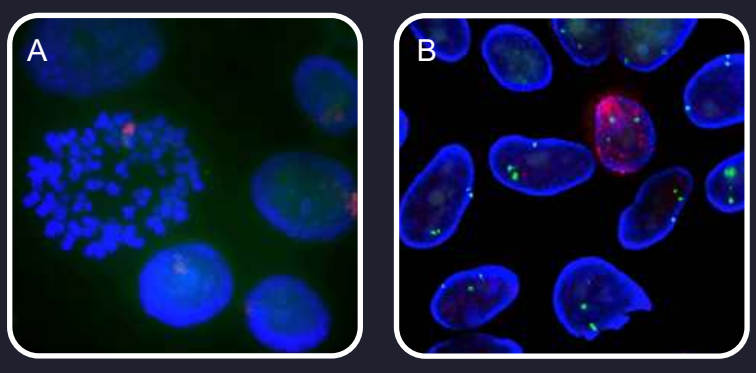

Figure 4. Exemplary Fluorescence *in situ* Hybridization (FISH) result presenting HER2 copy number in breast cancer cells in primary cell culture; HER2 probe (red signals); CEP 17 control probe (green signals). (A) Cells from sample with intrachromosomal amplification; (B) Heterozygous cell culture showing chromosome 17 polysomy and amplification.

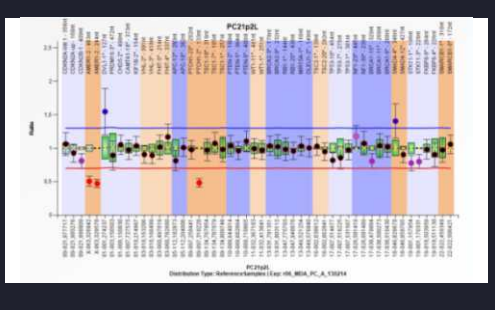

Figure 5. Exemplary Multiplex Ligation-dependent Probe Amplification (MLPA) result showing the genetic alterations (gene loss) in an early passage of prostate cancer cells in primary cell culture.