

# Product sheet

**PtK2 | 608316**

## General information

<b>Description</b>	PtK2 is a cell line derived from Potorous tridactylis, a marsupial species. It is a fibroblast cell line that is used for research purposes. PtK2 cells are characterized by their high growth rate and ability to form colonies. They are commonly used in cell biology and molecular biology studies.
<b>Organism</b>	Potorous tridactylis
<b>Tissue</b>	Kidney
<b>Synonyms</b>	Pt K2 (NBL-5), NBL-5, Pt-K2, PTK-2, Ptk-2, PTK 2, PtK 2, PTK2, Pt K2, Ptk2, Potorous tridactylus Kidney 2

## Characteristics

<b>Age</b>	1-2 years
<b>Gender</b>	Male
<b>Morphology</b>	Epithelial cells
<b>Growth properties</b>	Adherent, high growth rate

## Identification and safety

<b>Citation</b>	PtK2 (Cytion 608316)
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9310
<b>CellosaurusAccession</b>	CVCL_0514

## Virus susceptibility and resistance

<b>Virus susceptibility</b>	Herpesvirus A9, Adenovirus, Rotavirus, Influenza A virus (H1N1)
<b>Virus resistance</b>	Herpesvirus 5, Adenovirus B5, Rotavirus 2

**HEK293T | PtK2 | 608316**

**Reverse transcriptase** HEK293T

**Products** HEK293T

**HEK293T**

**Culture Medium** RPMI 1640, w: 2.0 mM  $\beta$ -mercaptoethanol, w: 2.0 g/L NaHCO<sub>3</sub> (Cytion 820700a)

**Supplements** HEK293T 10% FBS

**Dissociation Reagent** Trypsin

**Subculturing** HEK293T cells are cultured in RPMI 1640 medium supplemented with 10% FBS. For subculturing, cells are trypsinized and seeded into new flasks at a density of 1 x 10<sup>4</sup> cells per flask.

**Split ratio** HEK293T 1:2 or 1:3

**Seeding density** 1 x 10<sup>4</sup> cells/flask

**Post-Thaw Recovery** HEK293T cells are thawed in a 37°C water bath and seeded into a flask containing 10% FBS. Cells are allowed to recover for 24 hours before use.

**Freeze medium** HEK293T cells are frozen in RPMI 1640 medium supplemented with 10% FBS and 10% DMSO.

