

Product sheet

TK6 | 300357

General Information

<b>Description</b>	TK6 is a human epithelial cell line derived from a 5-year-old child with a Wilms' tumor. It is a highly tumorigenic cell line that grows in suspension culture. The cells are characterized by their ability to form colonies in soft agar and their high tumorigenicity in nude mice. TK6 cells are used in various research applications, including drug screening, toxicology, and cancer biology.
<b>Organism</b>	Human
<b>Tissue</b>	Epithelial
<b>Synonyms</b>	TK-6, H2BT

Characteristics

<b>Age</b>	5 years
<b>Gender</b>	Female
<b>Cell type</b>	Epithelial
<b>Growth properties</b>	Adherent

Identification

<b>Citation</b>	TK6 (ATCC CCL-221) Cytion 300357
<b>Biosafety level</b>	2
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_0561

Media and Reagents

Culture Medium

<b>Culture Medium</b>	RPMI 1640, w: 2.0 mM L-glutamine, w: 2.0 g/L NaHCO3 (ATCC 30-20 Cytion 820700a)
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<b>Supplements</b>	10% FBS, 2.5%
<b>Subculturing</b>	5, 5, 6
<b>Seeding density</b>	$1 \times 10^5$
<b>Fluid renewal</b>	2 x 3
<b>Freeze medium</b>	(FBS) + 10% DMSO
<b>Thawing and Culturing Cells</b>	<ol style="list-style-type: none"><li>1.</li><li>2. <math>-150^{\circ}\text{C}</math></li><li>3. 37</li><li>4. 70%</li><li>5. 15, 8</li><li>6. <math>-300 \times \text{g}</math> 3</li><li>7. 10</li><li>8.</li></ol>
<b>Incubation Atmosphere</b>	$37^{\circ}\text{C}$ , 5% $\text{CO}_2$
<b>Flask Coating</b>	
<b>Freezing Procedure</b>	$-78^{\circ}\text{C}$
<b>Shipping Conditions</b>	$-78^{\circ}\text{C}$

