

661W | 305889

661W

Description	661W is a T cell derived cell line, established from a patient with T cell acute lymphoblastic leukemia (T-ALL) and maintained in the presence of IL-2 and IL-3. The cell line is characterized by its ability to proliferate in the presence of these cytokines and its sensitivity to the anti-proliferative drug 661W. The cell line is used for the study of T cell biology and the effects of 661W on T cell proliferation and differentiation. The cell line is also used for the study of the effects of 661W on the NF-κB signaling pathway.
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Organism	Human
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Tissue	Leukemia, T cell
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Metastatic site	Not applicable (Primary cell line)
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Applications	Cell culture, T cell biology, NF-κB signaling, 661W sensitivity, T cell differentiation
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Synonyms	661W, 661 T cell
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661W

Age	Not applicable (Primary cell line)
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Gender	Not applicable (Primary cell line)
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Morphology	Leukemia, T cell
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Cell type	Leukemia, T cell
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Growth properties	Not applicable (Primary cell line)
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661W

Citation	661W (Cytion 305889)
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Biosafety level	1
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NCBI_TaxID	10090
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CellosaurusAccession CVCL_6240

GMO Status GMO-S1: 661W 00000000000000000000 T 000000 SV40 0000000000 IRBP; 000000 00 0000 000000

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Culture Medium DMEM, w: 4.5 g/L $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 4 mM L- $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$, w: 3.7 g/L NaHCO_3 , w: 1.0 mM $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ ($\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$ Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent XXXXXXXXXX

Doubling time ~24 日

Split ratio 1 : 5

Seeding density $1 \times 3 \times 10^4$ seeds/m²

Fluid renewal ☒ 2-3 ☒☒☒☒

Freeze medium α -MEM, 10% FBS, 10% DMSO

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Thawing and
Culturing Cells

1. Remove the vial from the dry ice storage and place it in a water bath at 37°C. Gently swirl the vial to mix the cells. Do not shake the vial.
2. Add 10 ml of pre-warmed medium to the vial. Gently swirl the vial to mix the cells. Do not shake the vial.
3. Transfer the cells to a 25 cm² flask. Gently swirl the flask to mix the cells. Do not shake the flask.
4. Incubate the cells in a CO₂ incubator at 37°C and 5% CO₂. Do not disturb the cells.
5. After 24 hours, check the cells. If they are not attached, add more medium. If they are attached, do not add more medium.
6. After 48 hours, check the cells. If they are not attached, add more medium. If they are attached, do not add more medium.
7. After 72 hours, check the cells. If they are not attached, add more medium. If they are attached, do not add more medium.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Not required

Shipping
Conditions

Shipped on dry ice, stored at -78°C

Storage
Conditions

Store at -150°C for up to 196 weeks

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