

Product sheet

15P-1 | 305191

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Description
15p-1 is a cell line derived from the primary tumor site (testis) of a C57BL/6 x DBA/2 mouse. It is a highly proliferative, androgen-responsive cell line that expresses the androgen receptor (AR) and is used for studying androgen receptor biology and drug screening for androgen pathway inhibitors. The cell line is maintained in DMEM/F12 medium supplemented with 10% fetal bovine serum (FBS) and 10 ng/ml dexamethasone.

Organism Mouse

Tissue Testis

Metastatic site Primary tumor site (testis)

Applications Androgen receptor biology; prostate cancer androgen signalling; testicular endocrinology; androgen-responsive gene expression; drug screening for androgen pathway inhibitors

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Breed/Subspecies C57BL/6 x DBA/2

Age 6 weeks

Gender Male

Morphology Epithelial cells

Cell type Epithelial cells

Growth properties Androgen-responsive

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Citation 15P-1 (15P-1 | 305191)

Biosafety level 1

NCBI_TaxID 10090

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CellosaurusAccession CVCL_6552

GMO Status GMO-S1: XXXXXX XXX XXXX XXXXXXXX XXXXX XXXXXX (15P-1) XXX XXXXXXXT XXXXXXXX MPyV XXXXX XXX XXXXXXXX XXX XXXXX XXXXX XXXX M

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Culture Medium DMEM 4.5 g/l / XXXXXXXXXXXX 4 XXXXXXXX XXXXXXXXXXXX 3.7 g/l / XXX NaHCO3 1.0 XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX (XXX XXXXXXXX 82

Supplements XXX XXXXXXX XXXXXXX 10% XXX FBS

Dissociation Reagent XXXXXXXX

Subculturing XXXXXXXX XXX XXXXXXXX XXXXXXX XXXXXXXX XXX XXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX PBS XXXXX XXXXXXX XXX XXXXXXXXXXXX XXXXXXXXXXXX XXXXXXX

Split ratio 1 to 5

Seeding density 1 to 3 × 10⁴ cells/cm²

Fluid renewal 2 XXX 3 XXXXX XXX XXXXXXXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXXXXXXX XXXXXXX XXX XXX XXXXX (XXX XXX FBS) + 10% DMSO XXX XXXX XXXXXXX XXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX

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Thawing and Culturing Cells

1. Thaw the vial rapidly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed medium.
2. Centrifuge at 300 x g for 3 minutes. Resuspend in 300 µl of medium.
3. Seed into a 24-well plate (37°C, 5% CO₂).
4. Allow cells to attach for 24 hours. Remove medium and replace with fresh medium (70% confluency).
5. Harvest cells after 15 days (8 days for primary cells).
6. Seed into a 24-well plate (300 x 3).
7. Harvest cells after 10 days.
8. Harvest cells after 10 days.

Incubation Atmosphere

37°C, 5% CO₂

Flask Coating

Yes

Freezing Procedure

Freeze cells in 10% FBS + 10% DMSO medium. Store at -80°C.

Shipping Conditions

Ship at -78°C.

Storage Conditions

Store at -150 to -196°C.

HLA

Sterility

PCR (PCR) Sterility