

LNCaP

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FGC | 305220

Karyotype

46,XY,t(12;21)(p13;q22) [46,XY,-12,-21,+t(12;21)(p13;q22)]

Culture Medium

RPMI 1640 (Sigma) 2.0 g/l, L-glutamine (Sigma) 2.0 g/l, NaHCO₃ (Sigma) 820700a 0.2 g/l

Supplements

10% FBS

Dissociation Reagent

Trypsin

Doubling time

34-43 days

Subculturing

Cells are detached using trypsin and washed with PBS. Cells are resuspended in fresh medium and seeded into new flasks.

Freeze medium

Cells are resuspended in serum-free medium (RPMI 1640 + L-glutamine) + 10% DMSO + 10% FBS.

Thawing and Culturing Cells

1. Thaw cells rapidly in a 37°C water bath.
2. Dilute cells into 10 ml of fresh medium.
3. Seed cells into a T75 flask.
4. Incubate cells for 70% confluency.
5. Harvest cells after 15 days.
6. Seed cells into 300 x 30 mm flasks.
7. Incubate cells for 10 days.
8. Harvest cells for analysis.

Incubation Atmosphere

37°C, 5% CO₂

