

Growth protocol for K562

Source: ATCC CCL-243 (lot 59300853)

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Growth Media for K562

500 ml RPMI-1640 with glutamine medium (Hyclone, SH30027.01),

50 ml Fetal Bovine Serum (10%) (FBS, Hyclone SH30071.03)

5 ml Pen-Strep (1%) (Invitrogen 15140-163).

Culturing

1. Take out the K562 vial from liquid nitrogen.
2. Thaw it in a 37°C water bath.
3. As soon as it thawed, transfer the cells into the growth medium.
4. Centrifuge at 1000rpm for 5min.
5. Resuspend the cells in the growth medium with cell density about at 1×10^5 cells/ml.
6. Split the cells every 2 to 3 days.
7. Grow the cells to required numbers.