

L5178Y TK+/- 3.7.2c

Medium: Fischer's medium with 10% heat-inactivated horse serum (in cell bank). RPMI 1640 medium with 10% fetal bovine serum is used for mouse lymphoma assay for mutagen. RPMI 1640 must contain L-glutamine (such as GIBCO Cat. # 11875-093).

The L5178Y TK +/- is suspension culture (not adherent cells). The passage method is simple dilution. The cells tends to form small cell aggregates.

The growth of this cell line is very fast. The population doubling time will be <10-12 hrs.

If passage interval is every 2 days, the suitable initial seeding density will be $2 - 3 \times 10^4$ cells/ml.

If the density becomes too high, the condition of cells becomes wrong. **It is important to maintain the cells below 10^6 cells/mL.**

Growth property of L5178Y TK+/- 3.7.2c

