

CULTURE CONDITIONS

Growth medium: DMEM (Dulbecco's Modified Eagle's Medium containing 4 mM L-glutamine, 4500 mg/L glucose, 1 mM sodium pyruvate, and 1500 mg/L sodium bicarbonate) supplemented with 10% Fetal Bovine Serum, 0.1mM 2-mercaptoethanol and 1000u/ml ESGRO-LIF (Millipore # ESG1106).

Culture: mES cells are added in growth medium to a well of a 6-well tissue culture plate that has been pre-seeded with mouse embryonic fibroblast feeder cells (ATCC-CRL 1503) that have been inactivated with Mitomycin-C. Cultures are grown in standard tissue culture incubators at 37°C in an atmosphere of 95% air and 5% CO₂.

Cryopreservation: Cells are frozen in growth medium containing 5% DMSO, and stored in liquid nitrogen.