

Growth Protocol for EpiSC-5 and EpiSC-7

EpiSC Passaging Medium: 1.5 mg/ml collagenase type IV dissolved in EpiSC Culture Medium (without FGF2) and filter sterilized.

EpiSC Culture Medium: Knockout DMEM supplemented with 20% Knockout Serum Replacement (KSR), 5 ng/ml recombinant human FGF2 (R&D Systems), 2 mM L-glutamine, 0.1 mM 2-mercaptoethanol, and 1 \times nonessential amino acids. Bottles of KSR are thawed upon arrival, aliquoted, and refrozen at -20°C for up to 6 months. FGF2 is dissolved in 0.1% Bovine Serum Albumin Fraction V (w/v) in PBS to a concentration of 10 ng/ml. FGF2 aliquots are stored at -80°C and used within 6 months. Once thawed, FGF2 aliquots are stored at 4°C and used within 2 weeks.

References

[S. Ding \(ed.\), Cellular Programming and Reprogramming: Methods and Protocols, Methods in Molecular Biology, vol. 636, DOI 10.1007/978-1-60761-691-7 2, Springer Science and Business Media, LLC specifically Chapter 2 Chenoweth, Josh G. and Tesar, Paul J. Isolation and Maintenance of Mouse Epiblast Stem Cells](#)

