

Differentiation Protocol for: Erythroid D5

Erythroid differentiation was induced in the CD45RA⁻ fraction of cells (from human CD34⁺ peripheral blood stem cells) by an erythroid “cocktail” supplementing the stem cell expansion medium with 10ng/ml SCF, 5ng/ml IL3, recombinant erythropoietin 1 unit/ml, dexamethasone with a final concentration of 2 micromolar, and Estradiol with a final concentration of 0.2 micromolar for 5 days.

Reference:

Migliaccio et al. 2009. *Curr Opin Hematol* 16: 259-268;
Mahajan et al. 2009, *Exp Hematol* 37: 1143-1156.e3