



Differentiation Protocol

Cat. T0202

Immortalized Myeloid Neutrophil Cells (mSB8e-C57STEM-ERKO)

Culture conditions recommended for the differentiation of Immortalized Myeloid Neutrophil Cells (mSB8e-C57STEM-ERKO):

PriGrow II ([TM002](#)) supplemented with + 10% FBS + 100 ng/ml Stem Cell Factor (SCF) + 1% Penicillin/Streptomycin ([G255](#)).

To differentiate cells, remove β -estradiol completely from media. Pellet cells, remove supernatant, add PBS, and pellet cells again to wash any traces of β -estradiol. Culture in differentiation medium.

This protocol has been adapted from the publication: Sykes, D. B., & Kamps, M. P. (2001). Estrogen-dependent E2a/Pbx1 myeloid cell lines exhibit conditional differentiation that can be arrested by other leukemic oncoproteins. *Blood, The Journal of the American Society of Hematology*, 98(8), 2308-2318.

abm does not warrant the accuracy of such information; all protocols must be experimentally tested by the end-user.