

OP9

Catalog No: tcel176



Available Sizes

Size: 1×10⁶cells/t25culturebottle



Specifications

Application:

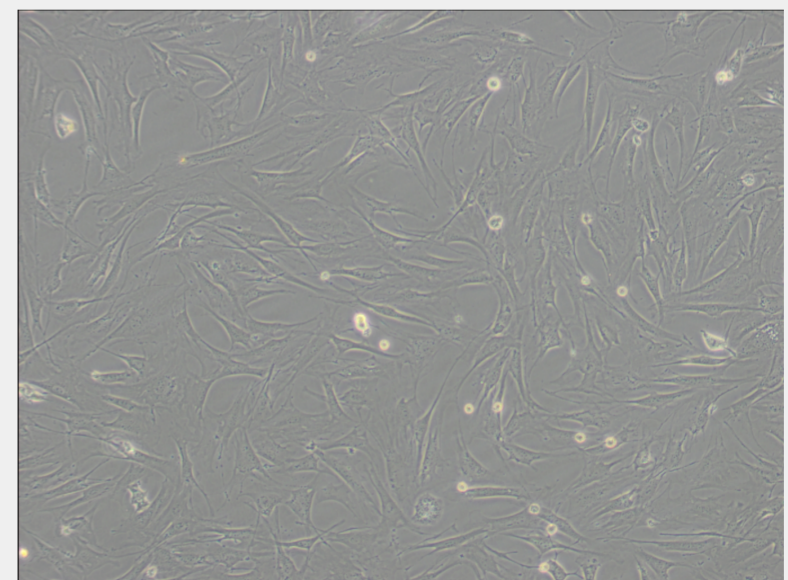
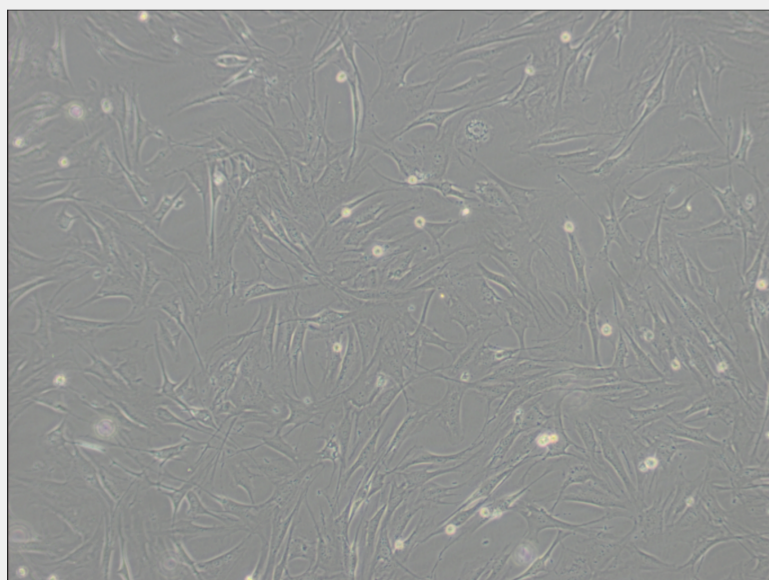
OP9 cells can be used to coculture mouse embryonic stem cells(ES cells) to induce the differentiation of embryonic stem(ES) cells into blood cells of erythroid, myeloid, and B cell lineages. Cocultivation with OP9 does not require exogenous growth factors

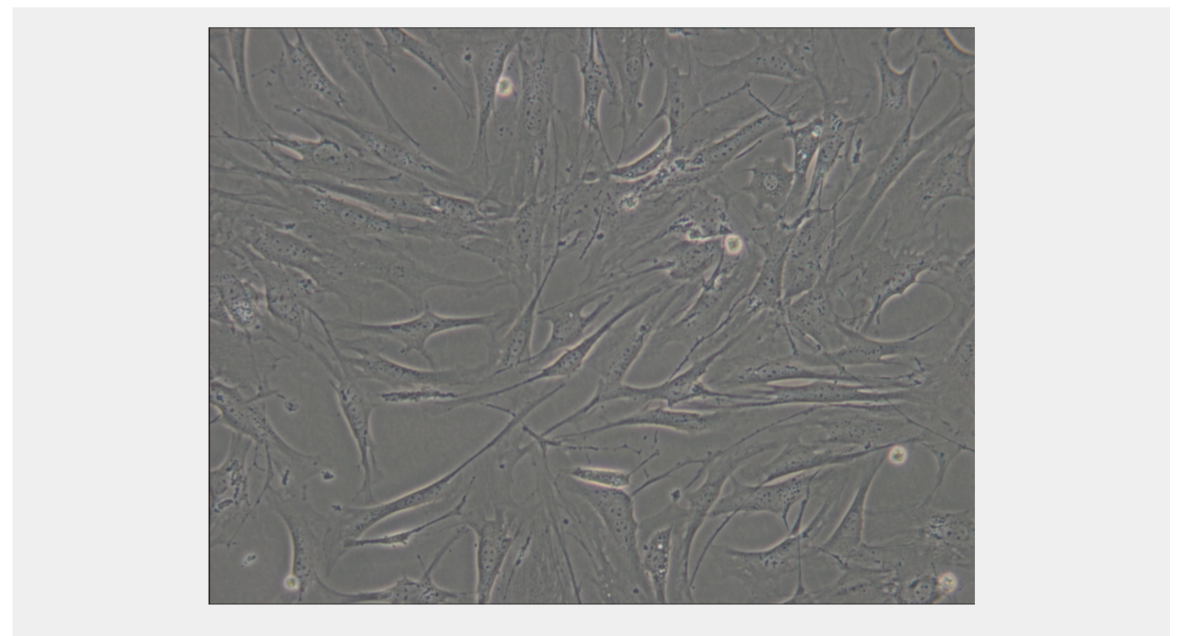
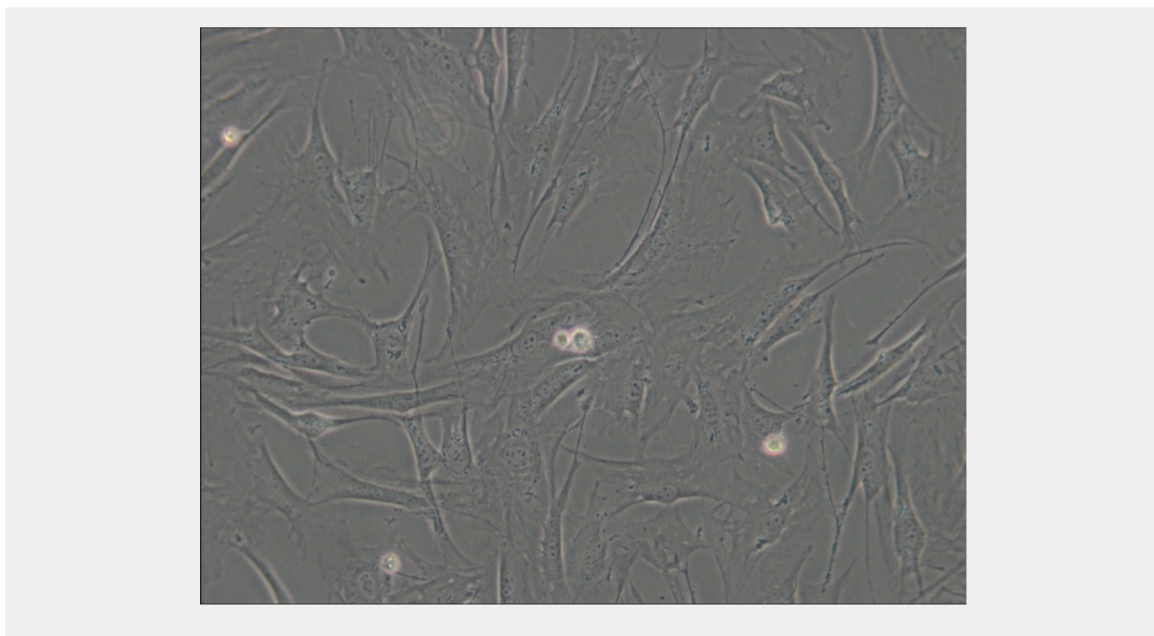
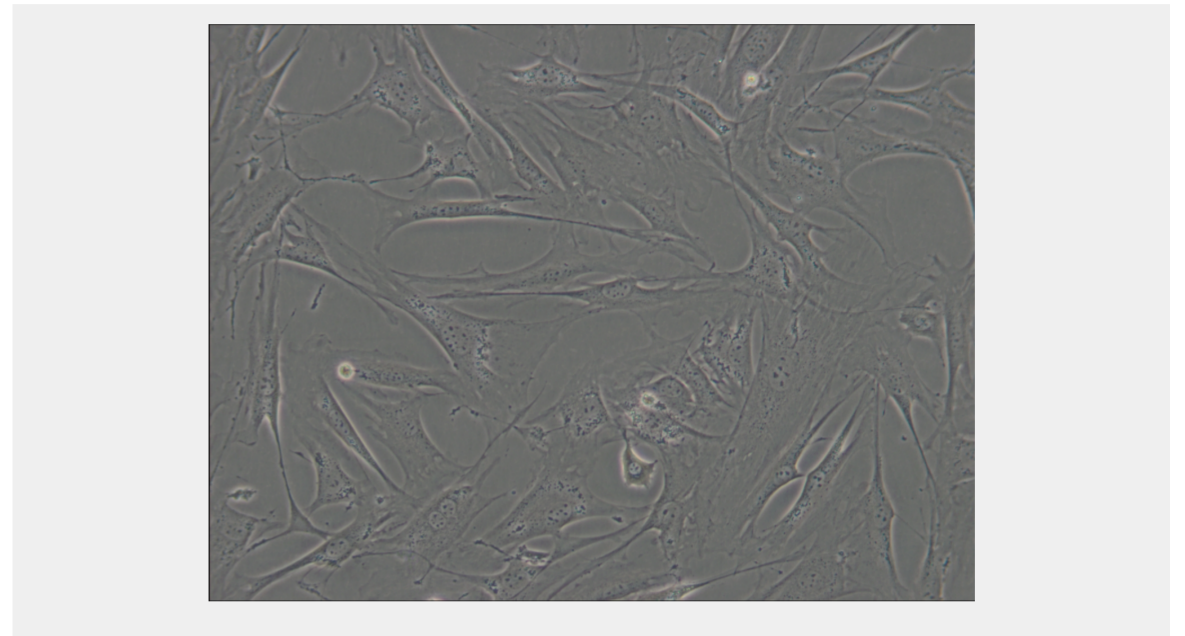
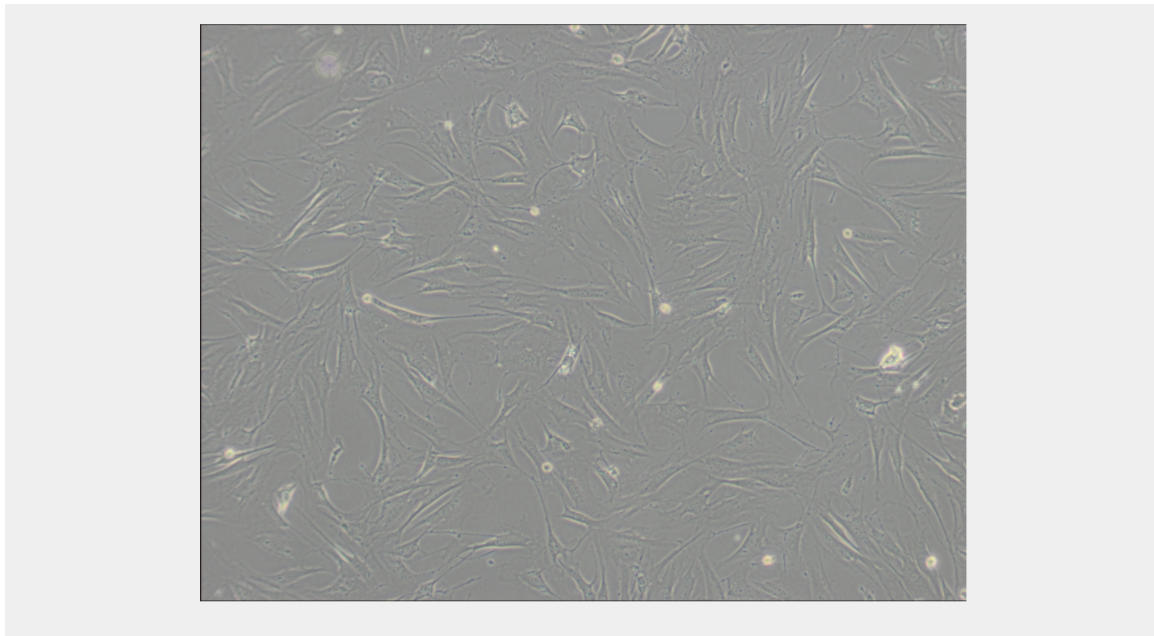
Subculturing:

Remove and discard culture medium. Briefly rinse the cell layer with DPBS solution to remove all traces of serum that contains trypsin inhibitor. Add 1.0 to 2.0 mL of Trypsin-EDTA solution to flask and observe cells under an inverted microscope until cell layer is dispersed (usually within 2 to 3 minutes). Cells that are difficult to detach may be placed at 37°C to facilitate dispersal. Add 4.0 to 6.0 mL of complete growth medium and aspirate cells by gently pipetting. Add appropriate aliquots of the cell suspension to new culture vessels.

Product Description

The cells do not produce functional macrophage colony-stimulating factor(M-CSF) due to an osteopetrotic mutation in the gene encoding M-CSF. The presence of M-CSF had inhibitory effects on the differentiation of embryonic stem(ES) cells to blood cells other than macrophages.





All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!