

Protocol for preparation of ColoUp medium

Version: May 2021

Evercyte Ord. No.: MHT-039

Reagents: The ColoUp medium for cultivation of HCEC-1CT cells can either be ordered from Evercyte as ready-to-use medium (Cat# MHT-039) or as basal medium (Cat# MHT-039-B) plus supplements (Cat# MHT-039-S).

The medium can also be prepared by mixing the following components:

DMEM (Gibco, Cat # 10566016) / M199 (Gibco, Cat# 31150022) (4+1)
 2 % Cosmic Calf Serum (Hyclone, Cat# SH30087, ready-to-use)
 20 ng/ml hEGF (Sigma-Aldrich, Cat# E9644)
 10 µg/ml Insulin (Sigma-Aldrich, Cat# I9278, ready-to-use)
 2 µg/ml Apo-Transferrin (Sigma-Aldrich, Cat# T2036)
 5 nM Sodium-Selenite (Sigma-Aldrich, Cat# S5261)
 1 µg/ml Hydrocortisone (Sigma-Aldrich, Cat# H0396)

- take one bottle (500 ml) of DMEM and discard 100 ml
- add 100 ml of M199 and mix properly
- discard 11.6 ml DMEM/M199 mixture
- add 10 ml Cosmic Calf Serum (ready-to-use)
- add 500 µl of hEGF stock (20 µg/ml, prepared in cell culture grade water)
- add 500 µl of Insulin (10 mg/ml, ready-to-use)
- add 100 µl of Apo-Transferrin stock (10 mg/ml, prepared in M199)
- add 25 µl of Sodium-Selenite stock (100 µM, prepared in cell culture grade water)
- add 500 µl Hydrocortisone stock (1 mg/ml, prepared in cell culture grade water)
- mix properly and store at 4°C for up to 1 month
- temper the medium to room temperature (not 37°C) before use

Related products: ColoUp ready-to-use medium, 500 ml (Evercyte, Cat#MHT-039)
 ColoUp basal medium, 500 ml (Evercyte, Cat# MHT-039-B)
 ColoUp supplements (Evercyte, Cat# MHT-039-S)
 HCEC-1CT, human colon epithelial cells (Evercyte, Cat# CkHT-039-0229)