

## Protocol for preparation of ColoUp medium

page 1 of 1

Version: August 2024

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 # 61965-026) / 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)

---