

Protocol for preparation of ColoUp medium

Version: September 2024

Evercyte Ord. No.:	MHT-039
Designation:	HCEC-1CT, human colon epithelial cells
Medium components and preparation:	<p>ColoUp medium contains the herein described components and is prepared as described in the following:</p> <p>DMEM (Gibco, Cat # 61965-026) / M199 (Gibco, Cat# 31150022) (4+1) 2 % Cosmic Calf Serum (e.g. 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)</p> <ul style="list-style-type: none"> - 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:	<ul style="list-style-type: none"> - 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) - ColoUp2 (Cat# MHT-039-2, <u>for US customers</u>), this medium contains all components of ColoUp but Cosmic Calf Serum; before use, 10 ml Cosmic Calf Serum must be added to give rise to ready-to-use ColoUp medium