

Protocol for preparation of PodoUp3 medium

Version: June 2023

Evercyte Ord. No.: MHT-033-3

Reagents:

The PodoUp3 medium for cultivation of PODO/TERT256 and PODO/SVTERT152 cells can either be ordered from Evercyte as ready-to-use medium (Cat# MHT-033-3) or as basal medium (Cat# MHT-033-3-B) plus supplements (Cat# MHT-033-3-S).

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

MCDB131 (Pan Biotech, Cat# P04-80057)
1.6 mM GlutaMAX-I (Gibco, Cat# 35050-038, ready-to-use)
9.6 µg/mL bovine brain extract (Lonza, Cat# CC-4098, ready-to-use)
8 ng/ml hEGF (Sigma-Aldrich, Cat# E9644)
20 ng/ml Hydrocortisone (Sigma-Aldrich, Cat# H0396)
20 % FBS (PAN Biotech, Cat# P30-3031, ready-to-use)
100 µg/ml G418 (InvivoGen, Cat# ant-gn-5, ready-to-use)

- take one bottle (500 ml) of MCDB131
 - add 5 ml GlutaMAX-I (200 mM stock, ready-to-use), mix properly
 - discard 105 ml from MCDB131 / GlutaMAX-I mixture
 - add 533.6 µl BBE (9 mg/ml stock, ready-to-use)
 - add 200 µl hEGF stock (20 µg/ml, prepared in cell culture grade water)
 - add 200 µl hydrocortisone stock (50 µg/ml, prepared in cell culture grade water)
 - add 100 ml fetal bovine serum (ready-to-use)
 - add 500 µl G418 stock (100 mg/ml, ready-to-use)
 - mix properly and store at 4°C for up to 1 month
 - temper the medium to room temperature (not 37°C) before use
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Related products:

PodoUp3 ready-to-use medium, 500 ml (Evercyte, Cat# MHT-033-3)
PodoUp3 basal medium, 500 ml (Evercyte, Cat# MHT-033-3-B)
PodoUp3 supplements (Evercyte, Cat# MHT-033-3-S)
PODO/SVTERT152, human urine-derived podocytes (Evercyte, Cat# CLHT-033-0152)
PODO/TERT256, human kidney tissue-derived podocytes (Evercyte, Cat# CHT-033-0256)
