

Protocol for preparation of MyoUp medium

page 1 of 1

Version: June 2023

Evercyte Ord. No.:	CkHT-040-231-2
Designation:	LHCN-M2, human skeletal muscle cells
Growth medium:	<p>The MyoUp medium for cultivation of LHCN-M2 cells can either be ordered from Evercyte as ready-to-use medium (Cat# MHT-040) or can be prepared by mixing the following components:</p> <p>DMEM (Gibco, Cat # 10566016) / M199 (Gibco, Cat# 31150022) (4+1) 15 % FBS (PAN Biotech, Cat# P30-3031) 20 mM Hepes (Sigma-Aldrich, Cat# H0887) 3 µg/ml Zinc sulfate (Sigma-Aldrich, Cat# Z0251) 1.4 µg/ml Vitamin B12 (Sigma-Aldrich, Cat# V2876) 0.055 µg/ml Dexamethasone (Sigma-Aldrich, Cat# D4902) 2.5 ng/ml HGF (Merck Millipore, Cat# GF116) 10 ng/ml bFGF (R&D Systems, Cat# 3718-FB-100)</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 90 ml DMEM/M199 mixture- add 75 ml FBS (ready-to-use)- add 10 ml Hepes (1M stock, ready-to-use)- add 50 µl Zink Sulfate stock (30 mg/ml, prepared in cell culture grade water)- add 50 µl Vitamin B12 stock (14 mg/ml, prepared in cell culture grade water)- add 70 µl Dexamethasone stock (1 mM, prepared in absolute ethanol, basal medium)- add 25 µl HGF stock (50 µg/ml, prepared in cell culture grade water)- add 50 µl bFGF stock solution (100 µg/ml, prepared in PBS)- 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:	MyoUp ready-to-use medium, 500 ml (Evercyte, Cat# MHT-040)