

## Protocol for preparation of MyoUp medium

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Evercyte Ord. No.:	MHT-040
Designation:	LHCN-M2, human skeletal muscle cells
Medium components and preparation:	<p>MyoUp 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) 15 % FBS (e.g. 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&amp;D Systems, Cat# 3718-FB-100)</p> <ul style="list-style-type: none"><li>- take one bottle (500 ml) of DMEM and discard 100 ml</li><li>- add 100 ml of M199 and mix properly</li><li>- discard 90 ml DMEM/M199 mixture</li><li>- add 75 ml FBS</li><li>- add 10 ml Hepes (1M stock, ready-to-use)</li><li>- add 50 µl Zink Sulfate stock (30 mg/ml, prepared in cell culture grade water)</li><li>- add 50 µl Vitamin B12 stock (14 mg/ml, prepared in cell culture grade water)</li><li>- add 70 µl Dexamethasone stock (1 mM, prepared in absolute ethanol, basal medium)</li><li>- add 25 µl HGF stock (50 µg/ml, prepared in cell culture grade water)</li><li>- add 50 µl bFGF stock solution (100 µg/ml, prepared in PBS)</li><li>- mix properly and store at 4°C for up to 1 month</li><li>- temper the medium to room temperature (not 37°C) before use</li></ul>
Related products:	<ul style="list-style-type: none"><li>- MyoUp (Cat# MHT-040), ready-to-use medium</li><li>- MyoUp2 (Cat# MHT-040-2, <u>for US customers</u>), this medium contains all components of MyoUp but FBS; <b>before use, 75 ml FBS must be added to give rise to ready-to-use MyoUp medium</b></li></ul>