

Materials List for:

Glucose Uptake Measurement and Response to Insulin Stimulation in *In Vitro* Cultured Human Primary Myotubes

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Materials

Name	Company	Catalog Number	Comments
Human primary muscle cell	In house preparation from human skeletal muscle biopsies	In house preparation from human skeletal muscle biopsies	If not available, use commercial source
Human primary muscle cell	Promocell	C-12530	Should be cultured with associated media C23060 and C23061
6-well plate	Corning	356400	BioCoat Collagen I Multiwell Plates
Ham's F10	Dutscher	L0145-500	1 g/L glucose
Glutamine	Dutscher	X0551-100	
penicilin/streptomycin 100x	Thermo fisher scientific	15140122	
Serum substitute UltrosorG	Pall France	15950.017	serum substitute in text
DMEM low glucose	Dutscher	L0064-500	1 g/L glucose
Fetal Calf Serum	Eurobio	CVFSVF00-01	
Dulbecco's Phosphate-Buffered Saline	Dutscher	L0625-500	Contains Mg ²⁺ (0.5 mM) and Ca ²⁺ (0.9 mM)
Insulin solution human	Sigma-Aldrich	I9278	
2-deoxy-D-glucose	Sigma-Aldrich	D6134	
Albumin bovine	euromedex	04-100-812-E	
fatty acid-free BSA	Roche	10,775,835,001	
palmitate	Sigma-Aldrich	P0500	
Deoxy-D-glucose, 2-[1,2-3H (N)]	PerkinElmer	NET328A001MC	Specific Activity: 5 - 10 Ci (185-370GBq)/mmol, 1 mCi (37MBq)
Cytochalasin B	Sigma-Aldrich	c2743	
PICO PRIAS VIAL 6 mL	PerkinElmer	6000192	
ultima gold MW CA	PerkinElmer	6013159	scintillation liquid
bêta counter	PerkinElmer	2900TR	