

Materials List for:

Using Caco-2 Cells to Study Lipid Transport by the Intestine

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Materials

Name	Company	Catalog Number	Comments
DMEM	VWR	16750-112	Pre-warm the growth media in individual tissue culture dish before adding cells
FBS	Fisher	3600511	We do not heat inactivate our serum
Trypsin	VWR	45000-660	Cells can be washed with PBS prior to trypsin treatment
Permeable membrane system	Fisher	7200173	10-cm dish, 3-mm pore size, polycarbonate membrane
10 cm dish	Fisher	08-772-E	Tissue culture dish
15 cm dish	Fisher	08-772-24	Tissue culture dish
24 well plate	Fisher	12565163	Tissue culture plate
Lipid-based transfection reagent	Fisher	PRE2691	Can be substituted with other transfection reagent
Reduced serum media	Invitrogen	11058021	For transfection
pLL3.7 eGFP	Addgene	11795	https://www.addgene.org/11795/
Bottle-top filter	Fisher	9761120	0.45 mm pore
Polybrene	Fisher	NC9840454	10 mg/ml
Oleic acid	Sigma	01383-5G	Prevent freeze-thaw cycle
Lecithin	Fisher	IC10214625	Egg lecithin
Sodium taurocholate	Fisher	NC9620276	Product discontinued; alternative catalog number: 50-121-7956
Protease inhibitor cocktail tablet (EDTA-free)	Fisher	5892791001	Used mainly for samples that need TEM analysis
Polycarbonate ultracentrifuge tube	Fisher	NC9696153	Reusing it multiple times will collapse the tube
Lid for ultracentrifuge tube	Fisher	NC9796914	A tool is required to remove the tube/lid from rotor
Syringe	Fisher	50-949-261	Disposable
Syringe filter	Fisher	09-719C	Pore size = 0.2 mm; nylon
Phosphotungstic acid	Fisher	AC208310250	For preparing 2% phosphotungstic acid, pH 6.0
Tweezer	Fisher	50-238-62	Extra fine and strong tips
Formvar/carbon grid	Fisher	50-260-34	Formvar/carbon film square grid 400 Copper

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