

Materials List for:

Rapid Lipid Droplet Isolation Protocol Using a Well-established Organelle Isolation Kit

Jascha Brettschneider*¹, Jason M. Correnti*¹, Chelsea Lin¹, Bianca Williams¹, Amanke Oranu¹, Amy Kuriakose¹, Dru McIver-Jenkins¹, Abigail Haba¹, Isabelle Kaneza¹, Sookyong Jeon¹, Eleonora Scorletti¹, Rotonya M. Carr¹

¹Division of Gastroenterology, Perelman School of Medicine, University of Pennsylvania

*These authors contributed equally

Correspondence to: Rotonya M. Carr at Rotonya.Carr@uphs.upenn.edu

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Materials

Name	Company	Catalog Number	Comments
BioExpress Vortex Mixer	GeneMate	S-3200-1	Vortex Mixer
Centrifuge 54242 R	Eppendorf	54242 R	Refrigerated Counter Microcentrifuge Rotor: FA-45-24-11
Centrifuge Sorvall RC6 +	Thermo Scientific	RC6+	Refrigerated High Speed Centrifuge Rotor: F21S-8x50y
Centrifuge Sorvall Legend RT+	Thermo Scientific	Legend RT+	Refrigerated High Capacity Centrifuge Rotor: 75006445 Bucket: 75006441
cOmplete Protease Inhibitor Cocktail	Sigma Aldrich	04 693 116 001	Protease Inhibitor Tablets
Diagenode Bioruptor UCD-200	Diagenode	UCD-200	Sonication System
Dounce Tissue Grinder (45 mL)	Wheaton	357546	Use Loose pestle
Dulbecco's Phosphate-Buffered Saline (1x)	Corning	21-031-CM	
Endoplasmic Reticulum Isolation Kit	Sigma Aldrich	ER0100	For ER kit Extraction: Contains: Isotonic Extraction Buffer 5X 100 mL Hypotonic Extraction Buffer 10 mL Calcium chloride, 2.5 M solution 5 mL OptiPrep Density Gradient Medium 100 mL Blunt Nosed Needle 1 ea.
External light source for fluorescent excitation	Leica	Leica EL6000	
Hydrochloric acid	Sigma Aldrich	H1758	Hydrochloric Acid
ImageJ			Image Analysis Software
Inverted Modulating Contrast Microscope	Leica	Leica DM IRB	
Lysosome Enrichment Kit for Tissues and Cultured Cells	Thermo Fisher Scientific	89839	For Lysosome Isolation
Microscope Camera	Qimaging	QICAM fast 1394	
Optima XL-100K Ultracentrifuge	Beckman-Coulter	XL-100K	Ultracentrifuge Rotor: SW41Ti
Pasteur Pipettes	Fisher Scientific	22-042817	
Petri Dish 5 cm	Fisher Scientific	FB0875713A	

Pierce BCA Protein Assay Kit	Thermo Fisher Scientific	23225	
PhosSTOP	Sigma Aldrich	04 906 845 001	Phosphatase Inhibitor Tablets
Sterile Surgical Blade #10	Pioneer	S2646	
Sucrose	Fisher Scientific	S5-500	Crystalline/Certified ACS
Triglyceride Liquicolor Kit	Stanbio	2200-225	Colorimetric Triglyceride kit
Tris Base	Fisher Scientific	BP152-1	For TE buffer
Triton X-100	Fisher BioReagents	BP151-100	5%, Polyethylene glycol p-(1,1,3,3-tetramethylbutyl)-phenyl ether, Protein Lysis Reagent
UltraPure EDTA (0.5M, pH 8.0)	Thermo Fisher Scientific	15575-038	For TE buffer