

Materials List for

Human Subcutaneous Adipose Tissue Sampling Using a Mini-Liposuction Technique

Kirstin A. MacGregor¹, Nidia Rodriguez-Sanchez¹, Nicholas D. Barwell², Iain J. Gallagher¹, Colin N. Moran¹, Thomas G. Di Virgilio¹

¹Physiology, Exercise and Nutrition Research Group, University of Stirling ²Department of Diabetes and Endocrinology, Forth Valley Royal Hospital

Corresponding Author

Thomas G. Di Virgilio
td13@stir.ac.uk

Citation

MacGregor, K.A., Rodriguez-Sanchez, N., Barwell, N.D., Gallagher, I.J., Moran, C.N., Di Virgilio, T.G. Human Subcutaneous Adipose Tissue Sampling Using a Mini-Liposuction Technique. *J. Vis. Exp.* (175), e62635, doi:10.3791/62635 (2021).

Date Published

September 27, 2021

DOI

10.3791/62635

URL

jove.com/video/62635

Materials

Name	Company	Catalog Number	Comments
Item: 14 G needle 14 G x 3 1/8" 210 mm x 80 mm	B Braun	4665473	Per biopsy: 1
Item: 21 G needle 21 G x 1 1/2" 0.8 mm x 38 mm	Terumo	AN*2138R1	Per biopsy: 2
Item: 26 G needle 26 G x 1/2" microlance needle 0.45 mm x 13 mm	BD	303800	Per biopsy: 2
Item: 5 mL syringe 5 mL luer	DB plastipak	302187	Per biopsy: 2
Item: Adhesive wound dressing Opsite Post-Op Dressing 9.5 x 8.5	Smith & Nephew	6600709	Per biopsy: 1
Item: Disposable sterile scalpel Disposable Scalpel Sterile Blade no. 10	Swann Morton	/0501	Per biopsy: 1
Item: Icepack BlueDot Reusable Hot/Cold Pack 26.5 cm x 13.0 cm	NuCare	F711	Per biopsy: 1
Item: Iodine based antiseptic Videne antiseptic solution	Ecolab Videne	3030440	Per biopsy: q.s
Item: Lidocaine 2% w/o epinephrine Lidocaine 2% injection 5 mL	B Braun	3558553	Per biopsy: 5 mL
Item: Non-sterile gloves Starguard sensitive powder free nitrile gloves	Starguard	SG-N-S	Per biopsy: pair
Item: Sodium chloride 0.9% Sodium chlride 0.9% w/v intravenous infusion BP	BBraun	S8004-5384	Per biopsy: q.s.
Item: Stabilization solution* RNAlater Stabilization Solution	ThermoFisher Scientific	AM7020	Per biopsy: q.s
Item: Sterile forceps Sterile forceps	Rociale	RML109-006	Per biopsy: 1
Item: Sterile gauze swabs	Prestige	1860	Per biopsy: 5

Non woven swabs sterile 7.5 x 7.5 cm			
Item: Sterile gloves Prestige soft vinyl sterile powder free medical gloves	Prestige	S: P4301 M:P3302 L:P3301	Per biopsy: pair
Item: Sterile Microcentrifuge tubes 1.5 mL Sterile Microcentrifuge Tubes	StarLab	I1415-5510	Per biopsy: q.s
Item: Sterile sheet Paper plain white 90 x 90 cm	Rociale	RML 126-216	Per biopsy: 1
Item: Weighing boat Diamond shape weigh boats	Heathrow Scientific	HS1427C	Per biopsy: 1
* denotes optional materials			