

Materials List for:

An Efficient Method to Obtain Dedifferentiated Fat Cells

Hiroaki Taniguchi^{*1}, Tomohiko Kazama^{*1}, Kazuhiro Hagikura^{*1}, Chii Yamamoto¹, Minako Kazama¹, Yuki Nagaoka¹, Taro Matsumoto¹

¹Division of Cell Regeneration and Transplantation, School of Medicine, Nihon University

*These authors contributed equally

Correspondence to: Taro Matsumoto at matsumoto.taro@nihon-u.ac.jp

URL: <https://www.jove.com/video/54177>

DOI: [doi:10.3791/54177](https://doi.org/10.3791/54177)

Materials

Name	Company	Catalog Number	Comments
CSTI303-MSC medium	CSTI	87-671	This medium is defined as DCM in the text
PBS(-)	Wako	166-23555	It does not contain Mg ²⁺ and Ca ²⁺
DMEM medium	Gibco	11965-092	
Fetal Bovine Serum	Sigma	172012	
Collagenase type II	Sigma	C-6885	
Scissors	Takasago Medical Industry Co., Ltd	TKZ-F2194-1	
Shaker	TAITEC	Bioshaker V.BR-36	
Falcon Cell Strainer 100 µm Yellow	CORNING LIFE SCIENCES	DL 352360	
Falcon 12.5 cm ² Rectangular Canted Neck Cell Culture Flask with Blue Vented Screw Cap	CORNING LIFE SCIENCES	353107	
18 G needle	NIPRO	02-002	
20 ml Syringe	NIPRO	08-753	
Z Series Coulter Counter	BECKMAN COULTER	383550	