

Materials List for:

Scalable 96-well Plate Based iPSC Culture and Production Using a Robotic Liquid Handling System

Michael K. Conway¹, Michael J. Gerger¹, Erin E. Balay¹, Rachel O'Connell¹, Seth Hanson², Neil J. Daily¹, Tetsuro Wakatsuki¹

¹In vivoSciences, Inc.

²Gilson, Inc.

Correspondence to: Tetsuro Wakatsuki at tetsuro@invivosciences.com

URL: <https://www.jove.com/video/52755>

DOI: [doi:10.3791/52755](https://doi.org/10.3791/52755)

Materials

Name	Company	Catalog Number	Comments
96-well plates	Corning	3596	96-well; Well volume: 360 µl; Cell growth area: 0.32 cm ² ; Individually wrapped
Seahorse Trough	SeahorseBio	201308-100	Reservoir 4 Clear Part Poly Proplene 73MI 25/Cs
Gilson Tips	Gilson	F167023	10 racks gilson 96 tips D200 tips
DMEM/F12	Life Technologies	12500062	DMEM/F12 powder. Resuspend in 1 L purified, cell culture grade water and sterile filter.
Growth Factor Reduced Matrigel	Corning	354230	Referred to as, "extracellular matrix gel" in the text. Matrigel GFR, 10 ml
mTeSR1	StemCell Technologies	5857	mTeSR1 Complete Kit for hES Maintenance.
E8 Media	StemCell Technologies	5940	TeSR-E8 Kit for hESC/hiPSC Maintenance
Y27632	AdooQ BioScience	A11001-50	Rock inhibitor Y-27632 2HCl
Accutase	Innovative Cell Technologies	ACCUTASE	Referred to as, "proteolytic and collagenolytic dissociation reagent" in the text. Accutase 500 ml sterile cell solution
PBS	Fisher	SH30256FS	PBS w/o Ca Mg 500 ml, 6/pk
Gilson PIPETMAX	Gilson	PIPETMAX	http://www.gilson.com/en/AllProducts/13.290/Default.aspx#.VCGwRBZmYsk