

Materials List for:

# Contractions of Human-iPSC-derived Cardiomyocyte Syncytia Measured with a Ca-sensitive Fluorescent Dye in Temperature-controlled 384-well Plates

Camille Forny<sup>1</sup>, Romain Sube<sup>1</sup>, Eric A. Ertel<sup>1</sup>

<sup>1</sup>Department of Pharmacology and Preclinical Development, Idorsia Pharmaceuticals Ltd

Correspondence to: Eric A. Ertel at [eric.ertel@idorsia.com](mailto:eric.ertel@idorsia.com)

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## Materials

Name	Company	Catalog Number	Comments
FDSS7000 fluorescent plate reader	Hamamatsu Photonics (Massy, France)	not a catalog item	
FDSS7000 Fluo-3/Fluo-4/Fluo-8 fluorescence filter kit	Hamamatsu Photonics (Massy, France)		installed initially in the device
FDSS7000 temperature control	Hamamatsu Photonics (Massy, France)	A10118-09	
FDSS7000 150-W Excitation Light Source Unit	Hamamatsu Photonics (Massy, France)	C11653-11	
FDSS7000 pipet tips for 384-well plates	Hamamatsu Photonics (Massy, France)	A8687-62	
Waveform Analysis Software for Cardiomyocytes	Hamamatsu Photonics (Massy, France)	U8524-12	optional alternative to the Igor Pro software
Igor Pro data analysis software	Wavemetrics (Portland, Oregon, USA)	Latest version	
iCell-Cardiomyocytes Kit	Cellular Dynamics International (Madison, WI)	R1106	includes cells, plating and maintenance media
Cor.4U Cardiomyocyte Kit	Ncardia Germany (Cologne, Germany)	Ax-B-HC02-4M	includes cells, plating and maintenance media alternative to the iCell-Cardiomyocytes
384-well cell culture plates	Greiner-Bio-One (Frickenhausen, Germany)	781091	
384-well compound plates	Greiner-Bio-One (Frickenhausen, Germany)	781280	
FLIPR Calcium 4 Assay Kit	Molecular Devices (Sunnyvale, California)	R8142	
Forskolin	Sigma-Aldrich (Buchs, Switzerland)	F6886	
N6-cyclopentyl-adenosine	Sigma-Aldrich (Buchs, Switzerland)	C8031	
E-4031	Enzo Life Sciences (Lausen, Switzerland)	BML-KC158	
Penicillin-Streptomycin solution	Gibco/ThermoFisher (Reinach, Switzerland)	15140-122	
Trypan Blue Solution, 0.4%	Gibco/ThermoFisher (Reinach, Switzerland)	15250061	