

Materials List for

Functional Characterization of Endogenously Expressed Human RYR1 Variants

Susan Treves^{1,2}, Thierry Girard³, Francesco Zorzato^{1,2}

¹Department of Biomedicine, Basel University Hospital ²Department of Life Sciences, University of Ferrara ³Department of Anesthesia, Basel University Hospital

Corresponding Author

Susan Treves
susan.treves@unibas.ch

Citation

Treves, S., Girard, T., Zorzato, F. Functional Characterization of Endogenously Expressed Human RYR1 Variants. *J. Vis. Exp.* (), e62196, doi:10.3791/62196 (2021).

Date Published

June 9, 2021

DOI

10.3791/62196

URL

jove.com/video/62196

Materials

Name	Company	Catalog Number	Comments
4-chloro-m-cresol	Fluka	24940	
Blood collection tubes	Sarstedt	172202	
Bovine serum albumin (BSA)	Sigma-Aldrich	A7906	
caffeine	Merk	102584	
Cascade 125+ CCD camera	Photometrics		
Cascade 128+ CCD	Photometrics		
Creatine	Sigma-Aldrich	C-3630	
DMEM	ThermoFisher Scientific	11965092	
DMSO	Sigma	41639	
EGTA	Fluka	3778	
Epidermal Growth Factor (EGF)	Sigma-Aldrich	E9644	
Ficoll Paque	Cytiva	17144002	
Foetal calf serum	ThermoFisher Scientific	26140079	
Fura-2/AM	Invitrogen Life Sciences	F1201	
Glutamax	Thermo Fisher Scientific	35050061	
HEPES	ThermoFisher Scientific	15630049	
Horse serum	Thermo Fisher Scientific	16050122	
Insulin	ThermoFisher Scientific	A11382II	
Ionomycin	Sigma	I0634	
KCl	Sigma-Aldrich	P9333	
Laminin	ThermoFisher Scientific	23017015	
Lanthanum	Fluka	61490	
Microperfusion system	ALA-Scientific	DAD VM 12 valve manifold	
Origin Software	OriginLab Corp	Software	
Penicillin/Streptomycin	Gibco Life Sciences	15140-122	
Perfusion chamber POC-R	Pecon	000000-1116-079	
poly-L-lysine	Sigma-Aldrich	P8920	

RPMI	ThermoFisher Scientific	21875091	
Spectrofluorimeter	Perkin Elmer	LS50	
Thapsigargin	Calbiochem	586005	
Tissue culture dishes	Falcon	353046	
Tissue culture flask	Falcon	353107	
Tissue culture inserts	Falcon	353090	
Trypsin/EDTA solution	ThermoFisher Scientific	25300054	
Visiview	Visitron Systems GmbH	Software	
Zeiss Axiovert S100 TV microscope	Carl Zeiss AG		
Zeiss glass coverslips	Carl Zeiss AG	0727-016	