

Materials List for:

# Fluorescence-based Measurement of Store-operated Calcium Entry in Live Cells: from Cultured Cancer Cell to Skeletal Muscle Fiber

Zui Pan<sup>1</sup>, Xiaoli Zhao<sup>2</sup>, Marco Brotto<sup>3</sup>

<sup>1</sup>Department of Physiology and Biophysics, Confocal Microscopy and Cell Imaging Core, Robert Wood Johnson Medical School

<sup>2</sup>Department of Physiology and Biophysics, Robert Wood Johnson Medical School

<sup>3</sup>Muscle Biology Research Group-MUBIG Schools of Nursing & Medicine, University of Missouri-Kansas City

Correspondence to: Zui Pan at [panzu@umdnj.edu](mailto:panzu@umdnj.edu)

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## Materials

Name	Company	Catalog Number	Comments
RPMI 1640	Mediatech	10-040-CV	
Ham's F-12	Mediatech	10-080-CV	
DMEM	Mediatech	10-013-CV	
Glass Bottom Dish	MatTek	P35G-1.5-14-C	
Fura-2 AM	Invitrogen (Molecular Probes)	F1221	-20 °C, seal tight, protected from light, dissolved into DMSO
Fluo-5N AM	Invitrogen (Molecular Probes)	F14204	-20 °C, seal tight, protected from light
Rhod-5N	Invitrogen (Molecular Probes)	R14207	-20 °C, seal tight, protected from light
Quartz Cuvette	Starna Cells	3-Q-10	
thapsigargin	Tocris	1138	
2-Amin-thoxydiphenylborane (2-APB)	Tocris	1224	
N-benzyl-p-toluene sulphonamide (BTS)	Sigma-Aldrich	435600	
Collagenase Type I	Sigma	C0130	

**Equipment:**

1. A spectrofluorometer (Photon Technology International, NJ): xenon arc lamp, computer-controlled high-speed random access monochromator, cuvette-based emission monochromator, Nikon TE-200 inverted fluorescence microscope, S Fluor 40x/1.30 oil objective, PMT detectors.
2. Laser Scanning Confocal Microscope (BioRad Radiance2100): argon laser 453/477/488/514, HeNe laser 543nm, Nikon TE2000 inverted microscope, 60X objective (N.A. 1.4, oil).
3. A stereomicroscope with a magnification power > 100 (Zeiss Stemi SV11 Apo).