

Materials List for

Measuring SMC Contraction In Vitro: A Non-Invasive Method to Evaluate Smooth Muscle Cells Contraction using Electric Cell-Substrate Impedance Sensing

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URL: <https://www.jove.com/video/21214>
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Materials

Name	Company	Catalog Number	Comments
96-well Array	Applied Biophysics	96W10idf PET	Array used to measure contraction in the ECIS setup
Human Vascular Smooth Muscle Cell Basal Medium (formerly "Medium 231")	Gibco	M231500	Medium used to culture smooth muscle cells
Dimethyl sulfoxide	Sigma-Aldrich	472301	Solution used to dilute ionomycin
Invitrogen countess II	Thermo Fisher Scientific	AMQAX1000	Automated cell counter
Ionomycin calcium salt from Streptomyces conglobatus	Sigma-Aldrich	I0634-1MG	Compound used for contraction stimulation
ZTheta	Applied Biophysics	ZTheta	ECIS instrument used for contraction measurements