

Materials List for:

# Cell-based Assay Protocol for the Prognostic Prediction of Idiopathic Scoliosis Using Cellular Dielectric Spectroscopy

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## Materials

Name	Company	Catalog Number	Comments
<b>Materials</b>			
RPMI	Wisent, Inc	350-005-CL	
FBS	Thermo Scientific Hyclone	SH3007103	
DMSO	Sigma Aldrich	D2650	
Ficoll-Plaque Plus	GE Healthcare	17144003	
Antibiotic-Antimycotic	Invitrogen	15240-062	
Phytohemagglutinin	Invitrogen (Gibco)	10576-015	
Recombinant Human Osteopontin	R&D Systems, Inc	1433-OP/CF	
Somatostatin	Tocris	1157	
Isoproterenol	Tocris	1743	
PBS	Wisent, Inc	311-010-CL	
Sterile pipette tips	Axygen Scientific	301-06-451	
Sterile Eppendorf tubes	Ultident	24-MCT-150-C	
50 ml conical tubes	VWR International	89039-658	
Cellkey small sample 96W microplate	Molecular Devices	1026496	
Cellkey tips	Cybio	OL3800-25-559N	
Precut pierceable seals	Excel Scientific, Inc	XP-100	
<b>Equipment</b>			
Vicell XR	Beckman Coulter	731050	Automated cell counter
Cell culture hood	Forma Scientific	1284	Class II
Liquid nitrogen storage	Thermo Scientific	CY5093570	
Water bath	VWR International	89032-204	
Standard light microscope	Leica Microsystems	DMIL LED	
Cell culture incubator	Thermo Scientific	51019557	5% CO <sub>2</sub> at 37 °C
Low speed centrifuge	Thermo Scientific	75004364	
Cellkey system	Molecular Devices	1019185	CDS-based instrument