

Materials List for:

Mesenchymal Stromal Cell Culture and Delivery in Autologous Conditions: A Smart Approach for Orthopedic Applications

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Materials

Name	Company	Catalog Number	Comments
Triple Select (1x)	GIBCO, LIFE TECHNOLOGIES	12563-029	cell culture
Trypan blue stain	GIBCO, LIFE TECHNOLOGIES	15250061	cell culture
DMEM-LG, no glutamine, no phenol red	GIBCO, LIFE TECHNOLOGIES	11880-028	cell culture
Glutamax (100x)	Gibco, Life Technologies	35050038	cell culture
Penicillin/Streptomycin sol.	Gibco, Life Technologies	15140122	cell culture
Alamar Blue (AB)	Gibco, Life Technologies	DAL1025	proliferation/viability assay
Ficoll-Paque Plus	GE Healthcare	17-14440-02	cell culture
D-PBS	Gibco, Life Technologies	14190-094	cell culture
StemMACS AdipoDiff Media	Miltenyi Biotech	130-091-677	cell culture
StemMACS ChondroDiff Media	Miltenyi Biotech	130-091-679	cell culture
hMSC Osteogenicdiff BulletKit	Euroclone	LOPT3002	cell culture
Vitamin C (ascorbic acid)	Bayer	ATC Code: A11GA01	Pharmaceutical grade drug
Flebocortid Richter (hydrocortisone)	Aventis Pharma	ATC Code: H02AB09	Pharmaceutical grade drug
Victor X3, reader	PerkinElmer	2030 multilabel reader	proliferation/viability assay
Silver nitrate	Sigma Aldrich	209139	histological assay
Pyrogallol	Sigma Aldrich	16040	histological assay
Sodium Thiosulphate	Sigma Aldrich	S8503	histological assay
Histoplast LP	Thermo Scientific	8332	histological assay
Methanol	Sigma Aldrich	32213	histological assay
Ethanol	Sigma Aldrich	2860	histological assay
Nuclear fast red	Sigma Aldrich	60700	histological assay
Formalin	Bio-optica	05-K01009-X40	histological assay
Eosin B	Sigma Aldrich	45260	histological assay
DPX	Sigma Aldrich	6522	histological assay
Haematoxylin	Sigma Aldrich	H3136	histological assay
Aluminium Sulphate	Sigma Aldrich	202614	histological assay
Xylol	Sigma Aldrich	534056	histological assay
Microtome	Leica		histological assay

May Grunwald	Sigma Aldrich	MG1L-1L	histological assay
Giemsa	Sigma Aldrich	32884-250ML	histological assay
Transfer bag	Biomérieux	BC0300031	cell culture
Filtration kit	Macopharma	BC0800010	cell culture
Calcium Gluconate	Galenica Senese		Pharmaceutical grade drug
Bact Alert	Biomérieux	259790 anaerobic	microbiological assay
Bact Alert	Biomérieux	259789 aerobic	microbiological assay
Steryle Luer-Lok Syringe 50 mL	BD Plastipak	300865	cell processing
Heraeus Cryofuge 6000i	Thermo Scientific		blood bag centrifuging
SL16R Centrifuge	Thermo Scientific		blood tube centrifuging