

Materials List for:

Tumorsphere Derivation and Treatment from Primary Tumor Cells Isolated from Mouse Rhabdomyosarcomas

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Materials

Name	Company	Catalog Number	Comments
Accutase cell dissociation reagent	Gibco	A1110501	Detach adherent cells and dissociate tumorspheres
Celigo	Nexcelom	Celigo	Microwell plate based image cytometer for adherent and suspension cells
Collagenase, Type II	Life Technologies	17101015	Tissue digestion enzyme
Dispase II, protease	Life Technologies	17105041	Tissue digestion enzyme
DMEM high glucose media	Gibco	11965092	Component of tumor cells media
DMEM/F12 Media	Gibco	11320033	Component of tumorsphere media
EDTA	ThermoFisher	S312500	Component of FACS buffer
EGF recombinant mouse protein	Gibco	PMG8041	Component of tumorsphere media
FACSAria II Flow Cytometry	BD Biosciences	650033	Fluorescent activated cell sorter
Fetal Bovine Serum	Omega Scientific	FB-11	Component of tumor cells media
Fluriso (Isofluorane) anesthetic agent	MWI Vet Supply	502017	Anesthetic reagent for animals
FxCycle Violet Stain	Life Technologies	F10347	Discriminate live and dead cells
Goat Serum	Life Technologies	16210072	Component of FACS buffer
Ham's F10 Media	Life Technologies	11550043	Component of FACS buffer
Horse Serum	Life Technologies	16050114	Component of cell isolation media
Lipofectamine 3000 transfection reagent	ThermoFisher	L3000015	Transfection Reagent
Matrigel membrane matrix	Corning	CB40234	Provides support to trasplanted cells
N-2 Supplementns (100X)	Gibco	17502048	Component of tumorsphere media
Neomycin-Polymyxin B Sulfates-Bacitracin Zinc Ophthalmic Ointment	MWI Vet Supply	701008	Eyes ointment
PBS	Gibco	10010023	Component of FACS buffer and used for washing cells
pEGFP-C1	Addgene	6084-1	GFP plasmid
Penicillin - Streptomycin	Life Technologies	15140163	Component of tumorsphere and tumor cells media
Recombinant Human β FGF-basic	Peprtech	10018B	Component of tumorsphere media
Recombinant mouse Flt-3 Ligand Protein	R&D Systems	427-FL-005	Recombinant protein
Trypan blue	ThermoFisher	15250061	Discriminate live and dead cells