

Materials List for:

Normal and Malignant Muscle Cell Transplantation into Immune Compromised Adult Zebrafish

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Materials

Name	Company	Catalog Number	Comments
Tris-EDTA buffer solution 1x	Sigma-Aldrich	93283-100ML	Microinjection. Injection mix.
Potassium Chloride	Fisher Science Education	S77375-1	Microinjection. Injection mix.
XhoI Restriction Enzyme	New England Biolabs	R0146S	Microinjection. Plasmid linearization.
QIAquick PCR Purification Kit	Qiagen	28104 (50) or 28106 (250)	Microinjection. For purification of linearized plasmid up to 10 kb.
Phenol/Chloroform/Isoamyl Alcohol	Fisher Scientific	BP1753I-100	Microinjection. For purification of linearized plasmid.
UltraPure Agarose, 500 g	Invitrogen	16500-500	Microinjection. Linearized plasmid quantification.
Nanodrop 2000 Spectrophotometer	Thermo Scientific	http://www.nanodrop.com/Productnd2000overview.aspx	Microinjection. Linearized plasmid quantification.
DAPI (4',6-diamidino-2-phenylindole, dihydrochloride)	Life Technologies	D1306	flow cytometry/FACS
5 ml polystyrene round bottom tube	BD Falcon	352058	flow cytometry collection tube
BD FACSAria II	BD Biosciences	Special Order Research Products (SORP) program	FACS
5 ml polypropylene round bottom tube	BD Falcon	352063	FACS collection tube
BD LSR II	BD Biosciences	Special Order Research Products (SORP) program	flow cytometry
Phosphate Buffered Saline, pH 7.4 (1x)	Life Technologies	10010-023	transplantation
Fetal Bovine Serum	Omega Scientific	FB-01	transplantation
Tricaine methanesulphonate (MS-222)	Western Chemical Inc.	http://www.wchemical.com/tricaine-s-ms-222.html	Transplantation. Anesthetic. Caution: Irritant. Irritating to eyes, respiratory system, and skin.
VWR Absorbent Bench Underpads	VWR	56616-018	Transplantation. Regular paper towels or sponge can be used as an alternative.
Singe Edge Industrial Razor Blades	VWR	55411-050	transplantation
Petri Dish, Polystyrene Disposable Sterile	VWR	25384-302	transplantation
Cell Strainer, 40 µm Nylon	Falcon-Corning Incorporated	352340	transplantation
50 ml Centrifuge Tube	Corning Incorporated	430828	transplantation
Trypan Blue Stain (0.4%)	Life Technologies	15250-061	transplantation

Hemacytometer Set	Hausser Scientific	1483	transplantation
Hamilton syringe, fixed needle, volume 10 µl, needle size 26s ga (bevel tip)	Hamilton	80366	transplantation
Austin's A-1 Bleach, Commercial	James Austin Company		Transplantation. Any commercial solution can be used.
Ethanol 190 Proof	Decon Labs, Inc.	DSP-MD.43	Microinjection (linearized plasmid purification) and transplantation. Any commercial solution can be used.
High Speed Microcentrifuge, 300D Digital Microcentrifuge	Denville Scientific Inc.	C0265-24	transplantation
Sorvall Legend XFR Centrifuge	Thermo Scientific	75004539	Transplantation. Catalog number for 120 V, 60 Hz (US).
5 ml serological pipets	BD Falcon	357529	transplantation
Corning Stripettor Plus Pipetting Controller	Corning Incorporated	4090	Transplantation. Any automatic pipetting controller can be used.
Powder free examination gloves			All steps. Any commercial brand can be used.
Filter pipet tips and micropipettes			All steps. Any commercial brand can be used.
Dumont forceps #5	Fine Science Tools	11205-20	transplantation
Fluorescent Stereomicroscope	Olympus	MX10	Scoring. Any appropriate fluorescent stereomicroscope can be used.
Olympus DP72 microscope digital camera	Olympus	DP72	Scoring. Multiple adequate cameras for the selected imaging system can be used.