

Materials List for:

# Microgavage of Zebrafish Larvae

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## Materials

Name	Company	Catalog Number	Comments
Finquel (Tricaine methanesulfonate)	Argent Chemical Laboratories	MS-222	Larvae anesthesia
Phenol Red Solution	Sigma-Aldrich	P0290-100 ml	0.5% in DPBS, cell-culture tested
Mineral oil, light, white (high purity)	Amresco	J217-500 ml	For needle backfill and volume testing
TxRed-Dextran, 10,000 MW, lysine fixable	Invitrogen/ Molecular Probes	D-1863	1% suspension in 1x PBS/phenol red
FM4-64FX	Invitrogen/ Molecular Probes	F34653	5 mM stock in water
Methylcellulose	MP Biochemicals	0215549590	
Borosilicate glass capillaries	Drummond Scientific	3-000-203-G/X	OD 1.14 mm, ID 0.53 mm, 3.5 in length
Plastic form for mold making	Adaptive Science Tools	TU-1	
Nanoject II microinjection unit	Drummond Scientific	3-000-204	
Flaming Brown Micropipette Puller, 3.0 mm wide-trough filament	Sutter Instrument Co.	P-97, FT330B	Needle fabrication
Student Dumont #5 forceps	Fine Science Tools	91150-20	0.1 x 0.06 mm, needle clipping
Eyepiece Graticule, 5 mm - 100 divisions	Leica	10394771	Needle clipping
Microforge	Narishige	MF-900	Needle clipping and fire-polishing
Tuberculin SlipTip syringe needle	Becton Dickinson	309626	1 ml, 25G 5/8-needle
Fluoresbrite YG Microspheres (2.0 μm)	Polysciences, Inc.	18338	Intestinal motility analysis
Dissecting Microscope	Leica	S6E	Gavage procedure
Fluorescence Stereomicroscope	Leica	M205C	Dextran barrier assay
Confocal microscope	Zeiss	LSM510	Imaging of dextran in circulation