

**Materials List for
A Technique to Quantify Fungal Infection in Zebrafish Larvae**

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Materials

Name	Company	Catalog Number	Comments
Dumont forceps #5	Roboz Surgical Instrument Co.	RS-5045	
Eyepiece reticle	Microscope World	RETR10	For calibrating needles, used in Stereomicroscope
Microinjector setup: Back pressure unit	Applied Scientific Instrumentation	BPU	
Footswitch	Applied Scientific Instrumentation	FTSW	
Micro pipet holder kit	Applied Scientific Instrumentation	M-Pip	
Pressure injector	Applied Scientific Instrumentation	MPPI-3	
Micromanipulator setup: Micromanipulator	Narashige (Tritech)	M-152	
Magnetic stand and plate	Tritech	MINJ-HBMB	
Needle puller	Sutter Instrument	P-97	
Stereomicroscope	Nikon	SMZ-745	
Tissue lyser II	Qiagen	85300	To homogenize larvae
Material			
Agarose	Fisher	BP160-500	
Ampicillin sodium salt	Fisher	AAJ6380706	
BSA, fraction V	VWR	AAJ65855-22	
Kanamycin sulfate	Fisher	AAJ1792406	
L spreaders	Fisher	14 665 230	
Microcapillary needles (no filament)	World Precision Instruments (WPI)	TW100-3	
Microloader pipet tips	VWR	89009-310	To load the needle with Aspergillus suspension
Miracloth	VWR	EM475855-1R	To filter Aspergillus suspension
N-phenylthiourea	Fisher	AAL0669009	To prevent pigmentation
Phenol red, 1% solution	Fisher	57254	
Tricaine (Ethyl 3-aminobenzoate, methanesulfonic acid salt)	Fisher	AC118000500	To anesthetize larvae
Tween-20	Fisher	BP337-500	
Media and Solutions			Components/Recipe
E3 media: 60x E3			17.2 g NaCl, 0.76 g KCl, 2.9 g CaCl ₂ , 4.9 g MgSO ₄ · 7H ₂ O, to 1 L with H ₂ O
1x E3			16.7 ml 60x stock, 430 ul 0.05 M NaOH, to 1 L with H ₂ O (optional: + 3 ml 0.01% methylene blue)
Tricaine stock solution			2 g Tricaine, 5 g Na ₂ HPO ₄ · 7H ₂ O, 4.2 ml 60X E3, to 500 ml with H ₂ O, pH to 7.0-7.5 with NaOH

Glucose minimal media (GMM) agar: GMM agar			10 g Glucose (Dextrose), 50 ml 20x Nitrate salts, 1 ml TE, to 1 L with H ₂ O, pH to 6.5 with NaOH, + 16 g Agar, autoclave
20x Nitrate salts			120 g NaNO ₃ , 10.4 g KCl, 10.4 g, MgSO ₄ · 7H ₂ O, 30.4 g, KH ₂ PO ₄ , to 1 L with H ₂ O, autoclave
Trace elements (TE)			2.20 g ZnSO ₄ · 7H ₂ O, 1.10 g H ₃ BO ₃ , 0.50 g MnCl ₂ · 4H ₂ O, 0.16 g FeSO ₄ · 7H ₂ O, 0.16 g CoCl ₂ · 6H ₂ O, 0.16 g CuSO ₄ · 5H ₂ O, 0.11 g (NH ₄) ₆ Mo ₇ O ₂₄ · 4H ₂ O, 5.00 g Na ₂ EDTA, to 100 ml with H ₂ O, dissolve stirring overnight, autoclave