

Materials List for:

A Protocol for Laboratory Housing of Turquoise Killifish (*Nothobranchius furzeri*)

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Materials

Name	Company	Catalog Number	Comments
Probe calibration buffer solution pH=7.0	Roth	A518.1	1L buffer solution pH=7.0 to calibrate water system pH-electrode
Probe calibration buffer solution pH=4.0	Roth	P712.1	1L buffer solution pH=4.0 to calibrate water system pH-electrode
Conductivity standard	VWR	83607.260	500 mL Conductivity standard 1,413 uS/cm to calibrate water system conductivity-electrode
Easy Strips Test 6in1	JBL	2533900	Test strips for determination chlorine values of system water
Ammonia Test	JBL	2536500	Test to determine ammonia content of system water
Red Sea Salt	Red Sea		22 kg bucket
Sodium hydrogen carbonate	VWR	27780.360	
Humic acid	Sigma- Aldrich	53680-50G	
New HUFA Artemia enrichment	ZM Systems UK		75g bottle
Methylene blue	Roth	AE64.1	
Hydrogen peroxide solution	Sigma- Aldrich	31642-1L	30% (w/w)
Coconut fiber	Dragon	ZCS010	
Whatman paper	GE healthcare	3030-690	
Ethanol pure	VWR	20821.467	100%
Silica sand	local pet shop		
Artemia Eggs Premium Grade	Sanders		
Bloodworm	local distributor		Poseidon Aquakultur Germany
dNTPs solution mix	Biolabs	N04472	10mM
Taq DNA polymerase	Invitrogen	18038-042	5U/uL
PCR 10x Buffer	Invitrogen	18038-042	
MgCl ₂	Invitrogen	18038-042	50mM
NaOH	Sigma- Aldrich	S8045-500g	50mM
Tris-HCl, pH=8.0 solution	Sigma- Aldrich	T2694-1L	1M
HCl 37%	Sigma- Aldrich	H1758-500mL	
Fish tanks	Aquaneering		volume: 0.8L, 2.8L, 9.5L; equipped with baffles, fry mesh and lids
Orbital shaker	VWR	89032-100	model 5000

Microbiological incubator	Thermo Scientific, Heratherm	50125882	model IMC18; for storage embryos in the liquid phase, set to t=27-28°C
Cooling Incubator	Binder	9020-0209	model KT115; for storage embryos in the solid phase, set to t=27-28°C
Hatching incubator	Thermo Scientific, Heratherm	51028114	model OGS180; for embryos hatching, set to t=27-28°C
Stereomicroscope	Leica		model M80
Breeding sand/hatching boxes	Roth	1598.1	1000mL
Petri dish	Sarstedt	82.1473	92x16mm
50 mL Conical tube	Sarstedt	62.547.254	
15 mL Conical tube	Sarstedt	62.554.002	
Disposable Plastic Pasteur pipette	Roth	EA71.1	2mL; For fish feeding with bloodworms, or embryos selection cut off the tip to open 3-4mm diameter
Serological pipette	Sarstedt	86.1689.001	50mL
Syringe	Henke Sass Wolf	4100-000V0	10mL
Metal strainer			fineness <1mm; for embryos collection
Tweezers	Dumont	0508-5/45-PO	type5/45; for embryos transfer
25 L Brine shrimp hatcher	Aquaneering	ZHBS25	main hatcher
500 mL Brine shrimp hatcher	JBL	6106100	model Artemio 1; backup hatcher
Narrow-mesh fish nets	JBL		
Sand beaker	VWR	BURK7102-5000	5000mL
Brine shrimp separation beaker	VWR	BURK7102-2000	2000mL
Plastic zipper bag	Roth	P279.2	for dead fish storage
Pipetboy	Integra	155000	model Pipetboy acu2
Parafilm	P-Lab	P701605	
Air tubing	www.zajac.de	AQ380	4-6 mm diameter
1 L Glass bottle	VWR	215-1595	
2 L Glass bottle	VWR	215-1596	
500 mL Squeeze bottle	Roth	K665.1	for fish feeding with brine shrimp
120-µm brine shrimp strainer	Florida Aqua Farms	BB-PC2	for brine shrimp/bloodworm collection
Finish filter socks	Aquaneering	MFVB025C	25-µm
Central filtration fish housing system			Aquaneering, Techniplast, Aquatic Habitats, Aqua Schwarz