

Materials List for:

# Use of the TetON System to Study Molecular Mechanisms of Zebrafish Regeneration

Daniel Wehner<sup>\*1</sup>, Christopher Jahn<sup>\*1</sup>, Gilbert Weidinger<sup>1</sup>

<sup>1</sup>Institute for Biochemistry and Molecular Biology, Ulm University

\*These authors contributed equally

Correspondence to: Gilbert Weidinger at [gilbert.weidinger@uni-ulm.de](mailto:gilbert.weidinger@uni-ulm.de)

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## Materials

Name	Company	Catalog Number	Comments
Breeding boxes	Aqua Schwarz	AquaBox 1	
Compound fluorescent microscope	e.g., Leica, Zeiss	varies with the manufacturer	to image fluorescent tissue sections
Confocal microscope	e.g., Leica, Zeiss	varies with the manufacturer	to image fluorescent tissue sections
Cryostat	e.g., Leica, Thermo-Scientific	varies with the manufacturer	for cryosectioning
4', 6- diamidino-2-phenylindole (Dapi)	Sigma-Aldrich	D9542	use 1/5,000 in PBS for visualization of nuclei
Doxycycline	Sigma-Aldrich	D9891	prepare stocks in 50% EtOH at 50 mg/ml (97 mM) for TetResponder induction
Paraformaldehyde (PFA)	Sigma-Aldrich	P6148	4% (w/v) paraformaldehyde in PBS, pH 7.5 for fixation
1x Phosphat-buffer saline (PBS)			1.7 mM KH <sub>2</sub> PO <sub>4</sub> , 5.2 mM Na <sub>2</sub> HPO <sub>4</sub> , 150 mM NaCl, pH 7.5
1x Phosphat-buffer saline + Tween 20 (PBT)			1x PBS with 0.1% Tween 20
Superfrost Ultra Plus adhesion microscope slides	Thermo Scientific	1014356190	for collection of tissue sections
Stereo fluorescent microscope	e.g., Leica, Zeiss	varies with the manufacturer	for fluorescence-based genotyping
Thermocycler	e.g., Biorad, Applied Biosystems	varies with the manufacturer	for PCR-based genotyping
Tissue freezing medium (TFM)	Triangel Biomedical Sciences	TFM-C	for embedding of tissue samples
Tricaine (L-Ethyl-m-amino-benzoate-methane sulfonate/ MS-222)	Sigma-Aldrich	E10521	for anesthesia use at 1 mg/ml in E3 embryo medium