

Materials List for:

2D and 3D Echocardiography in the Axolotl (*Ambystoma Mexicanum*)

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Materials

Name	Company	Catalog Number	Comments
Axolotl (<i>Ambystoma mexicanum</i>)	Exoterra GmbH	N/A	All strains (wildtype, melanoid, white, albino, transgenic white with GFP) can be applied for echocardiography
Vevo 2100	Fujifilm, Visualsonics	Vevo 2100	High frequency ultrasound system
MS700	Fujifilm, Visualsonics	MS700	50 MHz center frequency, transducer
MS550s	Fujifilm, Visualsonics	MS550s	40 MHz center frequency, transducer
Micromanipulator	Zeiss	NA	
Benzocain	Sigma-Aldrich	94-09-7	ethyl 4-aminobenzoate
MS-222	Sigma-Aldrich	886-86-2	ethyl 3-aminobenzoate methanesulfonic acid
Propofol	B. Braun Medical A/S	NA	2,6-diisopropylphenol
Sodium chloride	Sigma-Aldrich	7647-14-5	NaCl
Calcium chloride dihydrate	Sigma-Aldrich	10035-04-8	CaCl ₂ ·2H ₂ O
Magnesium sulfate heptahydrate	Sigma-Aldrich	10034-99-8	MgSO ₄ ·7H ₂ O
Potassium chloride	Sigma-Aldrich	7447-40-7	KCl
Acetone	Sigma-Aldrich	67-64-1	Propanone
Soft cloth	N/A	N/A	Any piece of soft cloth measuring approximately 70 x 55 cm ² e.g. a dish towel
Styrofoam block	N/A	N/A	Any piece of Styrofoam block measuring approximately 33 x 27 x 5 cm ³ e.g. a medium sized Styrofoam cooler lid
Plastic wrap	N/A	N/A	Any piece of plastic wrap e.g. food wrap
Tape	BSN Medical	72359-02	Leukoplast sleek
Kimwipes	Sigma-Aldrich	Z188956	Kimwipes, disposable wipers
Excel 2010	Microsoft	N/A	Excel 2010 or newer
ImageJ	National Institutes of Health	ImageJ 1.5e or newer. Rasband, W.S., ImageJ, U. S. National Institutes of Health, Bethesda, Maryland, USA, https://imagej.nih.gov/ij/ , 1997-2016.	