

Materials List for:

Methods for the Study of the Zebrafish Maxillary Barbel

Elizabeth E. LeClair¹, Jacek Topczewski²

¹Department of Biological Sciences, DePaul University

²Children's Memorial Research Center, Department of Pediatrics, Northwestern University Feinberg School of Medicine

Correspondence to: Elizabeth E. LeClair at eleclair@depaul.edu

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Materials

| Name | Company | Catalog Number | Comments |
|--|---------|----------------|----------|
| A stereo dissecting microscope with transmitted and incident fiber-optic illumination is required for barbel clipping and agar embedding | | | |
| Fish system water | | | |
| 2 zebrafish crossing tanks | | | |
| MS-222 (ethyl 3-aminobenzoate methanesulfonate; Sigma Chemical #E10521-10G) | | | |
| sterile 120-mm Petri plate | | | |
| wet paper towels | | | |
| blunt metal spatula | | | |
| Dumont #55 Bio Inox Forceps (Fine Science Tools #11255-20) | | | |
| Mini-Vannas spring scissors (Fine Science Tools #15000-00) | | | |
| methylene blue antifungal agent (Drs. Foster & Smith #CD-905781) | | | |
| small aquarium fishnet | | | |
| 4% paraformaldehyde in 1x phosphate-buffered saline (PF-PBS), aliquoted into 50 mL conical tubes and stored frozen at -20°C until use | | | |
| 1x phosphate-buffered saline (pH 7.27-6) | | | |
| 250 mL glass flask | | | |
| 2% agarose in distilled water | | | |
| standard small agarose gel electrophoresis rig (gel size = ~10 cm square) | | | |
| small-toothed electrophoresis sample comb (comb size 4 x 1.5 mm) | | | |
| warm water bath (50-60°C) | | | |
| laboratory tape | | | |
| black enameled insect pins, size 000 (Fine Science Tools #26000-25) | | | |

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|--|--|--|--|
| 1-2 pin holders (Fine Science tools #26016-12) | | | |
| 9-inch glass Pasteur pipette | | | |
| pipette bulb or pump | | | |
| laboratory tissue | | | |
| small paper labels | | | |
| (optional) printed calibration scale | | | |
| wet paper towels | | | |
| zip-closure plastic bag | | | |
| scalpel/razor blade (to cut out agar blocks) | | | |