

Materials List for:

Multicolor Time-lapse Imaging of Transgenic Zebrafish: Visualizing Retinal Stem Cells Activated by Targeted Neuronal Cell Ablation

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URL: <https://www.jove.com/video/2093>

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Materials

1. Reagents:

Danieau's solution:

- sodium chloride (Fisher, S271 1)
- potassium chloride (Fisher, P217 500)
- HEPES (Fisher, BP310500)
- magnesium sulfate (Fisher, M65 500)
- calcium nitrate (Fisher, C109500)
- Penicillin-Streptomycin (Fisher, ICN1670049)

Other reagents:

- Low melt agarose (Fisher, BP165-25)
- Tricane methanesulfonate (Fisher, NC9435281)
- N-phenylthiourea (Fisher, NC9968868)
- Metronidazole (Fisher, AC21034-1000)

2. Supplies:

- Deep petri-dishes (Fisher Scientific/Corning, 08-772-32)
- Dumont #5 fine forceps (Fisher, NC9404145)

3. Equipment:

- Zoom Stereoscope (Olympus, SZ51)
- Fluorescence Zoom Stereoscope (Olympus, SZX16)
- Confocal microscope (Olympus FV1000)
- Digital block heater - Isotemp (Fisher, 11-715-125DQ)
- Barnstead/Thermolyne Benchtop Incubator (Fisher, 11-702-4).