

Materials List for:

# Use of Time Lapse Microscopy to Visualize Anoxia-induced Suspended Animation in *C. elegans* Embryos

Anastacia M. Garcia<sup>1</sup>, Mary L. Ladage<sup>1</sup>, Pamela A. Padilla<sup>1</sup>

<sup>1</sup>Department of Biological Sciences, University of North Texas

Correspondence to: Pamela A. Padilla at [pamela.padilla@unt.edu](mailto:pamela.padilla@unt.edu)

URL: <https://www.jove.com/video/4319>

DOI: [doi:10.3791/4319](https://doi.org/10.3791/4319)

## Materials

Name	Company	Catalog Number	Comments
<b>Reagents/Equipment</b>			<b>Composition</b>
Hypochlorite solution			0.7 g KOH, 12 ml 5% NaOCl, bring to 50 ml with ddH <sub>2</sub> O
M9 buffer			3 g KH <sub>2</sub> PO <sub>4</sub> , 11 g Na <sub>2</sub> HPO <sub>4</sub> , 5 g NaCl, 1 ml (1 M) MgSO <sub>4</sub> per 1 L ddH <sub>2</sub> O
Glass microscope slides	Fisher Scientific	12-550-343	3"x1"x1.0 mm
Round micro coverglass	Electron Microscopy Sciences	72223-01	25 mm Diameter
Halocarbon oil 700	Sigma	H8898-100ml	
Anesthetic			0.5% tricaine, 0.05% tetramisole
Leiden Closed Perfusion Microincubator	Harvard Apparatus	650041	
UHP Nitrogen	Calgaz (Air Liquide)		>99.9990% N <sub>2</sub> <2 ppm O <sub>2</sub>
Plastic tubing	VWR	89068-468	0.062" ID x 0.125" OD
Spinning Disk Confocal Microscope	McBain Systems		Zeiss inverted optical microscope, epifluorescence illumination system, CSU-10 Yokogawa confocal scanner, Hamamatsu electron multiplier CCD camera.