

Materials List for:

Automated Quantification of Synaptic Fluorescence in *C. elegans*

Brianne L. Sturt¹, Bruce A. Bamber¹

¹Department of Biological Sciences, University of Toledo

Correspondence to: Bruce A. Bamber at bruce.bamber@utoledo.edu

URL: <https://www.jove.com/video/4090>

DOI: [doi:10.3791/4090](https://doi.org/10.3791/4090)

Materials

Name	Company	Catalog Number	Comments
Volocity v4.0 or higher	PerkinElmer/Improvision		Check your local imaging core facility for access to this software. Demo software is available at the PerkinElmer website. This method requires only the Quantitation module of Volocity.

Table 2. Specific reagents and equipment.

Egg buffer	NaCl KCl CaCl ₂ MgCl ₂ HEPES (Adjust pH to 7.3)	118 mM 48 mM 2 mM 2 mM 24 mM
Alkaline hypochlorite (for 5 ml)	Fresh household bleach (discard bottle 30 days after opening) 10 N NaOH ddH ₂ O	1.0 ml 0.25 ml 3.75 ml

Table 1. Solutions.