



Oct 09, 2018

Working

## Superoxide levels

Sam Towarnicki<sup>1</sup><sup>1</sup>University of New South Wales[dx.doi.org/10.17504/protocols.io.uftetnn](https://doi.org/10.17504/protocols.io.uftetnn)

Cage Studies

 Sam Towarnicki 

### PROTOCOL STATUS

#### Working

We use this protocol in our group and it is working

- 1 Larvae were dissected in PBS to produce muscle fillets.
- 2 Fillets were incubated in 20 mM 2',7'-dichlorodihydrofluorescein diacetate (H2DCFDA) for 30 m at 23° C.
- 3 Fillets were washed twice in PBS, fixed in 2% paraformaldehyde for 10 minutes at 23° C, mounted on glass slides and imaged by confocal laser scanning microscopy at 495/520 nm (Excitation/Emission).
- 4 Pixel intensity was measured by ImageJ (<https://imagej.nih.gov/ij/>) using the nikon6D plugin.



This is an open access protocol distributed under the terms of the [Creative Commons Attribution License](https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited