

Materials List for:

# Toxicity Study of Zinc Oxide Nanoparticles in Cell Culture and in *Drosophila melanogaster*

Cheng Teng Ng<sup>1</sup>, Choon Nam Ong<sup>2</sup>, Liya E. Yu<sup>3</sup>, Boon Huat Bay<sup>4</sup>, Gyeong Hun Baeg<sup>4</sup>

<sup>1</sup>NUS Environmental Research Institute & Department of Anatomy, National University of Singapore

<sup>2</sup>NUS Environmental Research Institute & School of Public Health, National University of Singapore

<sup>3</sup>Department of Civil and Environmental Engineering, National University of Singapore

<sup>4</sup>Department of Anatomy, National University of Singapore

Correspondence to: Gyeong Hun Baeg at [antbgh@nus.edu.sg](mailto:antbgh@nus.edu.sg)

URL: <https://www.jove.com/video/59510>

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## Materials

Name	Company	Catalog Number	Comments
15% Methyl 4-Hydroxybenzoate	Sigma Aldrich		
4% Paraformaldehyde	Sigma Aldrich	P6148	
Bacto Agar	BD biosciences		
<i>cncCK6/TM3, Sb</i>			a gift from Dr. Kerppola T
Cornmeal, glucose, yeast brewer	Sigma Aldrich		
CyAn ADP with Summit Software	DAKO		<a href="https://flow.usc.edu/files/2014/07/BC-Cyan-ADP-User-Guide-2016.pdf">https://flow.usc.edu/files/2014/07/BC-Cyan-ADP-User-Guide-2016.pdf</a>
Dihydroethidium (Hydroethidine)	Thermo Fisher Scientific	D11347	
FITC Annexin V Apoptosis Detection Kit I	BD biosciences	556547	
Fluorescent microscope	Olympus		
Glucolin	Supermarket		
ImageJ software	NIH		
MRC5 human lung fibroblast	ATCC	CCL-171	
Schneider's <i>Drosophila</i> medium	Thermo Fisher Scientific	21720-024	
Vectashield antifade mounting medium with DAPI	Vector Laboratories	H-1200	
Wild-type <i>Canton-S</i> ; <i>Sod2N308</i> /CyO	NIG-FLY		
Zinc Oxide Nanoparticles	Sigma Aldrich	721077	Refer Sheet 2