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**Protocol status:** Working  
We use this protocol and it's working

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## Cell Viability Assessment

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### ABSTRACT

Assess neuronal viability.

### MATERIALS

- Hoechst 33342 (7 µM)
- propidium iodide (PI) (2 µM) (Invitrogen)
- Axiovision 4.6 software (Carl Zeiss)

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1

5m

Stain neurons with Hoechst 33342 ( [M] 7 micromolar ( $\mu\text{M}$ ) ) and propidium iodide (PI) ( [M] 2 micromolar ( $\mu\text{M}$ ) ) (Invitrogen) at  $37\text{ }^{\circ}\text{C}$  for 00:05:00 .

2

Capture images by a microscope and dead cells are automatically counted by Axiovision 4.6 software (Carl Zeiss).

3

Subject background signals of the control group intensity.

4

Calculate the neuronal death percentage by dividing the PI signal by the Hoechst 33342 signal.