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Cell Viability Assessment

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Protocol status: Working

We use this protocol and it's working

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Abstract

Assess neuronal viability.

Materials

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

Troubleshooting



1

5m

Stain neurons with Hoechst 33342 ([M] 7 micromolar (μM)) and propidium iodide (PI) ([M] 2 micromolar (μM)) (Invitrogen) at 37 °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.

Protocol references

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