

## Ionomycin and H<sub>2</sub>O<sub>2</sub> Toxicity in Primary Chicken Telencephalic Neurons

Compound testing for the following indications:

- Stroke
- Alzheimer's Disease
- Neuroprotection

Model:

Primary E8 chicken telencephalic neurons are cultured until DIV 8 and are exposed for 24 hours to ionomycin, a calcium ionophore, or H<sub>2</sub>O<sub>2</sub>. The effect of test compounds on can be evaluated for viability by using the MTT assay, for apoptosis by YO-PRO-1 (Invitrogen) labeling, mitochondrial membrane depolarization (JC-1) or other customized endpoints.

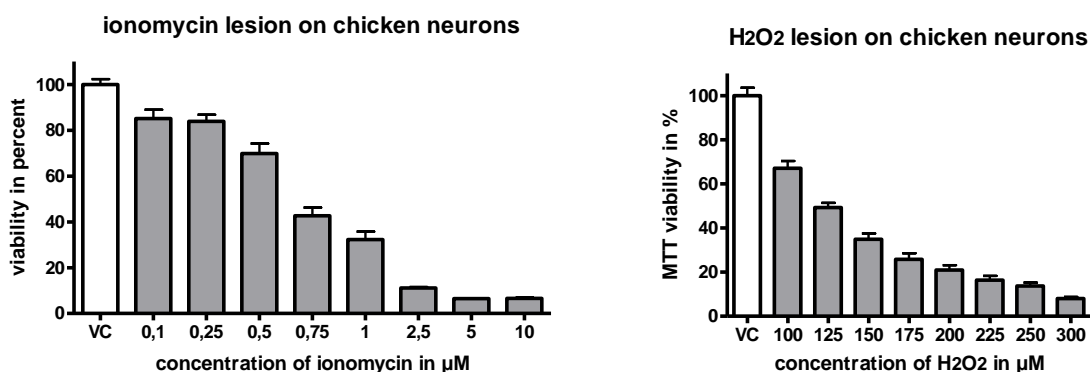


Fig.1. Dose response curve of ionomycin and H<sub>2</sub>O<sub>2</sub> lesions in primary telencephalic chicken neurons. Viability was assessed by the MTT assay.

Remark: These assays can also be performed in rodent neurons.