

Effect of Compounds on Survival of MPP+ Lesioned Primary Cortical Neurons

Compound testing for the following indications:

- Neuroprotection
- Parkinson's Disease

Model:

Primary rat cortical neurons derived from E18 embryos or primary chicken mesencephalic neurons from E8 embryos are maintained for 7 days in 96-well plates and are lesioned for 48 hours with MPP+. Viability is assessed by the MTT assay.

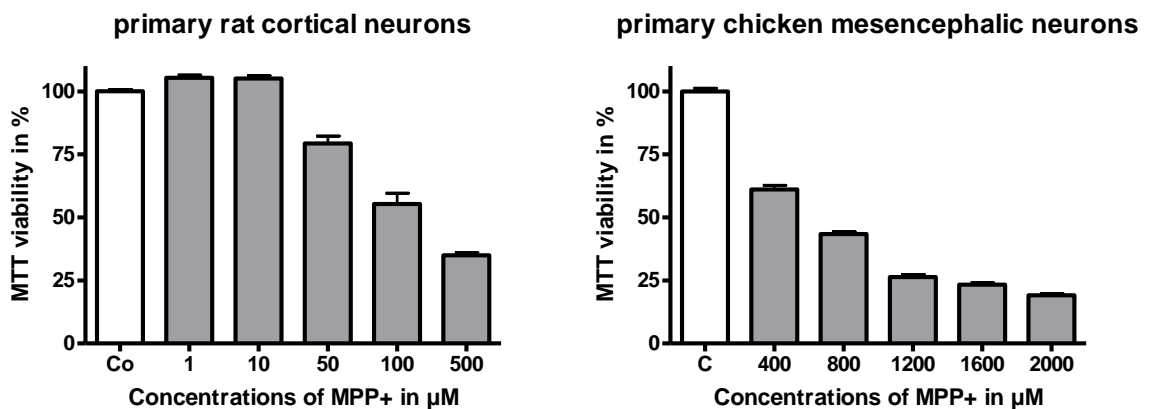


Fig.1. Dose response of different MPP+ concentrations on cell viability of rat cortical neurons and chicken mesencephalic neurons. Cells were cultured in 96 well plates and lesioned with the indicated concentrations MPP+.

Remark: Lesioned neurons can also be examined with for apoptosis related endpoints.