

Primary cortical neuron isolation

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Organisation

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Country Belgium

Geographical Area Flemish Region

SCOPE OF THE METHOD

The Method relates to	Animal health, Human health
The Method is situated in	Basic Research
Type of method	In vitro - Ex vivo
Species from which cells/tissues/organs are derived	Mus Musculus
Type of cells/tissues/organs	Brain (cortex)

DESCRIPTION

Method keywords

cell culture

isolation

Cortex

Neurons

Scientific area keywords

basic research

neuroscience

fundamental research

neurodevelopment

Method description

This method describes the steps from a living mouse to a single cell solution of primary cortical neurons.

Method status

Internally validated

PROS, CONS & FUTURE POTENTIAL

Advantages

Primary cultures give rise to a condition more similar although not identical to the *in vivo* situation when compared to cell lines ;

Methodologically feasible ;

Wide application range within the field of neuroscience.

Challenges

Interspecies differences ;

Terminal experiment for the lab animal.

Future & Other applications

Adjustment of the protocol can be made to isolate primary neurons of other species.

REFERENCES, ASSOCIATED DOCUMENTS AND OTHER INFORMATION

Associated documents

Coordinated by
Primary cortical neurons docx



Financed by

