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PROTEIN INJECTION PROTOCOL

DOI

<https://dx.doi.org/10.17504/protocols.io.dm6gp3738vzp/v1>

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol details the injection parameters of the protein.

Attachments



Protein Injection Pr...

17KB

Materials

- Needle 28ga
- Hamilton syringe
- Constant pressure syringe pump (Harvard Apparatus, Holliston, MA)



Injection Parameters

1 Stereotaxic coordinates:

- 1.1 Intracortical/Intrastriatal (IC/IS): 2.0 mm lateral from the midline, +0.2 mm relative to bregma, and 0.8 and 2.6 mm deep from the dura.
- 1.2 Brainstem: 0.2 mm lateral from the midline, -7.34 mm from bregma, 3.75 mm deep from the dura.

2 Injectable:

2.1  2.5 µg of total protein in a volume of  2.5 µL .

2.2 Rate:  0.1 µL per minute

2.3 Needle: 28 ga needle attached via tubing to a Hamilton syringe controlled by a constant pressure syringe pump (Harvard Apparatus, Holliston, MA).