

Dec 14, 2023

INTRAMUSCULAR PFF INJECTION PROTOCOL

DOI

dx.doi.org/10.17504/protocols.io.n2bvj6j75lk5/v1

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Protocol Citation: LEE LAB RESEARCH LABORATORY, Michael Lee 2023. INTRAMUSCULAR PFF INJECTION PROTOCOL. protocols.io <https://dx.doi.org/10.17504/protocols.io.n2bvj6j75lk5/v1>

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Protocol status: Working

We use this protocol and it's working

Created: June 04, 2022

Last Modified: May 31, 2024

Protocol Integer ID: 63887

Keywords: intramuscular, PFF injection, ASAPCRN, intramuscular pff injection protocol, intramuscular pff injection protocol this protocol, intramuscular pff injection procedure

Funders Acknowledgements:

ASAP

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Abstract

This protocol details the intramuscular PFF injection procedure.

Attachments



[452-956.docx](#)

17KB



Materials

Materials:

- PFF: 1 mg/mL
- Sonication: 1 Second (on/off); 120 Seconds, Amplitude – 20%
- Dose: 5 mL/side
- Dental Needle (27G)
- Hamilton Syringe (x2)
- Sterile Saline
- Alcohol wipes
- Procedure record forms
- Tubing
- Heating pads (x2)
- Clean cages
- Isoflurane and desiccator

Troubleshooting

Procedure

- 1 Clean the procedure hood.
- 2 Turn on the heating pad and cover it with a blue procedure pad.
- 3 Connect dental needle with tubing.
- 4 Fill up PBS into the tubing using a small syringe.
- 5 Insert the Hamilton Syringe into the tube for 2-3 mm.
- 6 Create air gap between saline solution and PFF solution.
- 7 Keep mouse inside desiccator w/ isoflurane until breath becomes long and slow.
- 8 Two separate people should inject each respective *Bicep femoralis* of the mouse simultaneously.
- 9 Perform injection with animal on warm pad and keep clean recovery cage on separate heating pad until animal recovers.
- 10 Wipe needle with alcohol wipes between sample draw/mouse injection.