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Queen's University

Principal Investigators, Research Staff, Veterinary Staff

The purpose of this Standard Operating Procedure (SOP) is to describe the intraperitoneal injection in mice.

Animal Care Services, Principal Investigator subcutaneous, intravenous, intraperitoneal, intramuscular, per os, per rectum

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| Recommended Gauge | 26 h1B03893TmC |

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ensure accurate dosing.

Disinfecting the skin with alcohol is mandatory for intravenous, intraperitoneal, intramuscular, intradermal, and all biohazardous injections.

Choose the appropriate administration route for the substance to be injected.

Sterile syringes

Sterile needles (26-27 gauge)

70% alcohol

Injectable solution

Every animal requires a new sterile syringe and a new sterile needle.

Load the syringe and needle with appropriate volume to be injected.

Safely restrain the animal using the scruff technique and place in dorsal recumbency with the head tilted slightly downward to provide a clear view of the abdomen.

Identify the midline of the abdomen. The optimal side to inject IP in a mouse is their right side, avoiding the cecum which typically lies on the animal's left side.

Disinfect the injection site with 70% alcohol.

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