



University Animal Care Committee Standard Operating Procedure		
Document No: 10.9.2	Subject: Intraperitoneal Injection (Rats)	
Date Issued: July 7 <sup>th</sup> , 2011	Revision: 4	Page No: 2

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.

## 2. Materials:

- Sterile syringes
- Sterile needles (21-27 gauge)
- 70% alcohol
- Injectable solution

## 3. Procedures:

### Anatomical Terms of Location

Dorsal

Cranial

Caudal

Ventral

Left Lateral

Right Lateral

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 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 rat is their right side because the rat has a very large cecum which usually sits on the animal's left side.

Disinfect the site with 70% alcohol.

The needle should be inserted bevel up in line with the natural extension of the lip, between the two lower nipples and angled at 45 degrees to the abdomen.

Aspirate to ensure the placement of the needle is correct. Proper placement should yield negative pressure and no aspirate in the hub of the needle. If any fluids are seen; stop, reload with new syringe and needle, check injection

Prop

University Animal Care Committee Standard Operating Procedure		
Document No: 10.9.2	Subject: Intraperitoneal Injection (Rats)	
Date Issued: July 7 <sup>th</sup> , 2011	Revision: 4	Page No: 3

