



# INDIANA UNIVERSITY

MELVIN AND BREN SIMON  
COMPREHENSIVE CANCER CENTER

<b>Title: Intraperitoneal administration of Test Material</b>
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Date reviewed: 10/19/2020
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Author: Kathy Coy
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Reviewer: Tony Sinn
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<b>Equipment:</b>
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Appropriate sized syringe
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Appropriate sized needle (usually 25-27 gauge needle)
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## Procedure:

1. Injections are made directly into the peritoneal cavity of the animal through the ventral abdominal muscle using a needle and syringe
2. The animal is held taunt in one hand with the syringe in the other hand, or if the animal is large, it can be held by an assistant. The head is held slightly down so the viscera drop out of the injection area.
3. The needle is passed through the subcutaneous tissue, through the abdominal wall, and into the peritoneal cavity. With the bevel up, the needle is inserted into the lower abdomen. Aspirate prior to injection. Blood will indicate possible liver puncture; yellow, possible bladder puncture; and green indicates possible intestinal puncture. The needle should not pass much posterior to the abdominal wall, nor be inserted high enough to damage the liver.
4. Inject the dosing solution, and withdraw the needle. Observe the animal for any clinical signs.