

STANDARD OPERATING PROCEDURE #204

VENTRICULAR EGG AND OOCTE COLLECTION

Day 5: Females should begin laying eggs 12 hours after HCG injection.

- 4.2.6. Eggs are obtained either by allowing the female to lay the eggs in a tank or by gently massaging the abdomen and sides of the frogs (egg stripping).
- 4.2.7. Monitor animals for appetite and general condition after each procedure.
- 4.3. Surgical Oocyte collection:
 - 4.3.1. A maximum of 4 surgical procedures is allowed with 3 being survival procedures and the fourth being terminal.
 - 4.3.2. Alternate between the right and left ovaries for each oocyte collection procedure.
 - 4.3.3. Allow for a 2-month recovery period between surgical procedures.
 - 4.3.4. Frogs must not be fed on the day of surgery to avoid emesis while anesthetized.
 - 4.3.5. All post-surgical animals must be appropriately identified.
 - 4.3.6. Surgeon's preparation:
 - 4.3.6.4. Wash hands.
 - 4.3.6.5. Wear a surgical mask and a clean lab coat.
 - 4.3.6.6.

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4.3.9. Post-operative Care:

- 4.3.9.1. Recovery from the anesthesia can take up to an hour. To hasten the recovery process, rinse the frog with fresh aquarium water.
- 4.3.9.2. Place animals in shallow water until fully recovered. During this time check the frogs for general appearance, muscle tone and mobility every 10-15 minutes.
- 4.3.9.3. Frogs should be monitored daily for two weeks for appetite as well as for any complications such as dehiscence or infection of the surgical site

5. REFERENCES

- 5.1. Tuttle AD, Law JM, Harms CA, Lewbart GA, Harvey SB. "Evaluation of the gross and histologic reactions to five commonly used suture materials in the skin of the African clawed frog (*Xenopus laevis*)". *J Am Assoc Lab Anim Sci.* 2006 Nov;45(6):22-6.

SOP REVISION HISTORY

DATE	NEW VERSION
2016.03.16	4.2.2. Allow for a 4-6 3