Hybrid laboratory/field trial with cats: GonaCon

Amy Fischer, PhD

Teaching Associate Professor
University of Illinois
Department of Animal Sciences

Board Member
ACC&D
Could we replicate GonaCon’s laboratory success in the “real world” (cats and conditions)?
Random source cats
30 females

- 20 injected with GonaCon
- 10 injected with saline

5 breeding males rotated
Clowder Concepts, LLC

- USDA-licensed research facility
- Illinois Dept. of Agriculture-licensed animal shelter
Lesson 1: Incorporate shelter medicine principles in facility and study design.
Lesson 2: Increase budget for veterinary support.
Lesson 2: Increase budget for veterinary support.
Lesson 3: Create an extremely detailed protocol.
FELINE GNRH-BASED CONTRACEPTIVE VACCINE FIELD STUDY TO ADVANCE DEVELOPMENT OF A THREE YEAR IMMUNOCONTRACEPTIVE FOR IMPROVED POPULATION MANAGEMENT OF FREE-ROAMING CATS.

STUDY NUMBER: 001-FGBCV

SPONSOR: ALLIANCE FOR CONTRACEPTIVES IN CATS AND DOGS
### Drug Accountability Form - IVP/CP Received

<table>
<thead>
<tr>
<th>Batch/lot #</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Batch/lot # the same for all syringes/vials?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Formula expiration date (DD/MON/YY)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th># Syringes/vials received</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Syringes/vials individually numbered?</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date received (DD/MON/YY)</th>
</tr>
</thead>
</table>

---

### Chain of Custody Form

<table>
<thead>
<tr>
<th>Contact name</th>
<th>Phone #</th>
<th>E-mail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recipient</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Samples received: □ Frozen □ Chilled □ Other (describe):

Samples will be stored in:

Recipient - please sign for receipt of the samples and return to affischer@illinois.edu.
Lesson 4: Optimize enrichment and training.
Behavior observations
Behavior observations
Behavior observations

Variations in male interest and performance
Behavior observations

- Variations in male interest and performance
- Strong mate preferences
Behavior observations

- Variations in male interest and performance
- Strong mate preferences
- Post-spay aggression
Adoptions

- Project personnel/friends/family
- ACC&D webpage
- Best Friends email
- Facebook
Considerations / challenges

- Sourcing
- Pregnant spays
- Adoptions
- Hybrid model balance
HYBRID MODEL INTERMEDIATE BETWEEN A LABORATORY AND FIELD STUDY
A humane paradigm shift in feline research
Thank you!