











# Collection of cats and dogs

- □ Few animals were feral

  - Abandoned plans for trapping at night
- Initial suspicion about the project among villagers
- Rode door-to-door to meet with families







## **Procedures**

- Identification
  - ☑ Dogs: microchips, photographs, collars
- Selemectin (Revolution) for all animals
- Sterilization

  - ☑Dogs: Spay, castration, Neutersol



Neutersol



- □ Zinc gluconate for intratesticular injection
  - First available in US in 2003

  - Induces testicular sclerosis, atrophy, sterility
  - Reduces testosterone, but not as much as castration

## Neutersol experience

- Easily administered with mild or no sedation
- Both puppies and adults were treated
- □ Dose 0.1-1.1 ml/testicle

  - Licensed dose 0.2-1.0 ml

# Neutersol intratesticular injection





# Outcome in 161 male dogs

- Dogs returned to their owners for observation following sterilization
- □ Surgical castration 59 dogs

  - Required minor surgical revision
- Neutersol 103 dogs

  - Four injection site reactions in adult dogs (3.9%)
    - Required major surgical debridement
    - 2 scrotal ablations

#### Neutersol reactions









## Reasons for reactions?

- □ Similar rate and type of reactions reported in Neutersol licensing trials
- □ Similar experience in Mexico at beginning of 10,000-dog campaign
- □ Improper injection technique?
- Lack of confinement post treatment?

