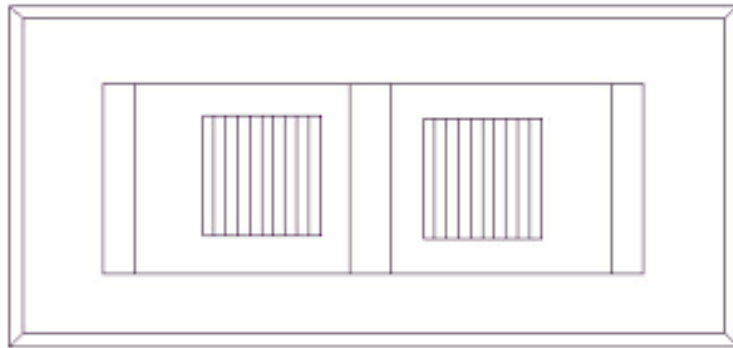
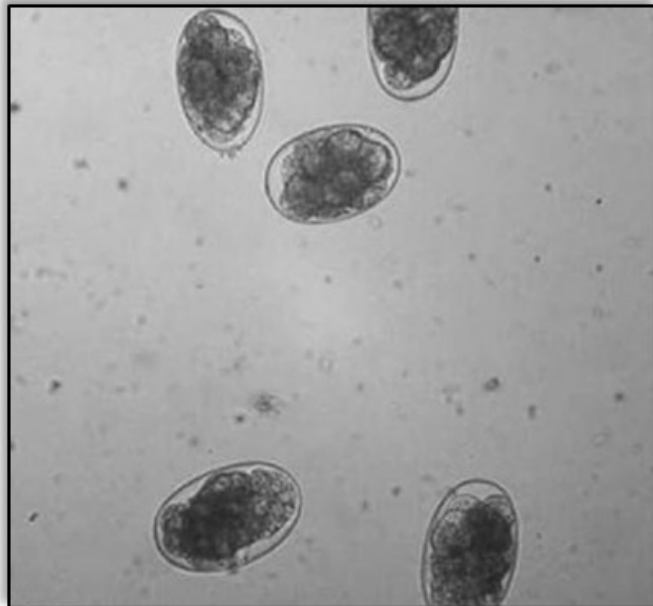


# Fecal Egg Count



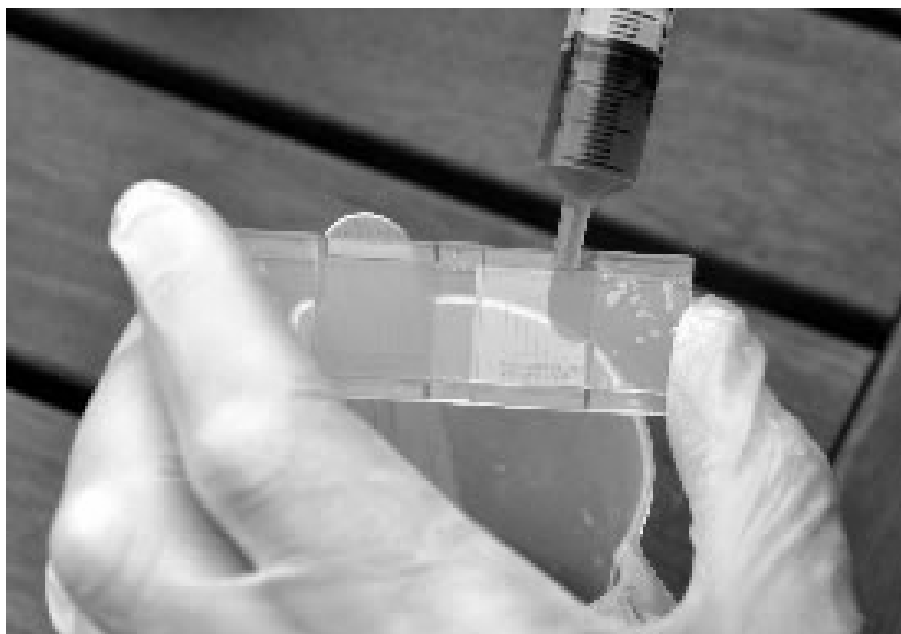
# Why do we do fecal egg counts?

- Determine the worm burden of a given animal
- Determine the type of parasites present
- Determine if dewormer is working (efficacy)
- This lesson is for the Modified McMaster's FEC



# How do we prepare feces?

- Place cup on scale and measure 2 grams of feces
- Add 28 ml of sugar solution to feces and stir with stick
- Meanwhile, place cheesecloth over another cup
- Pour contents of first cup into the second cup
- Use stick to aid in moving liquid through cheesecloth
- Remove cheesecloth and discard
- Use plastic pipette to stir strained solution
- Draw up 1 ml of solution into pipette
- Tilt McMaster's slide and use tip of pipette to add solution
- Fill both squares of McMaster's slide
- Allow solution to sit in slide for 5 minutes before viewing



# How do we count eggs in feces?

- Lower stage of microscope to place McMaster's slide
- Turn on microscope and adjust 100x objective
- Use course adjust to bring slide into focus
- Use fine adjust to specifically focus on bubbles
- *Haemonchus* eggs are on same plane as bubbles!
- Count each parasite egg in each column
- Count eggs on the grid line if  $> \frac{1}{2}$  of egg is inside grid
- Write down total # from all columns in both squares
- Multiply the total number of eggs by 50
- This number is the # of eggs per gram of feces

