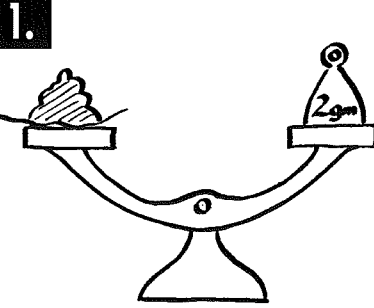


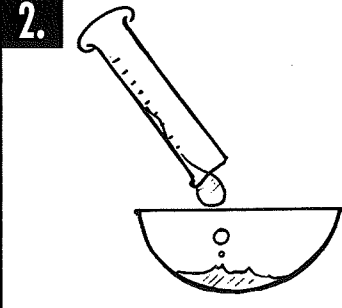
# McMaster Microscope Slide Instructions

## REQUIREMENTS

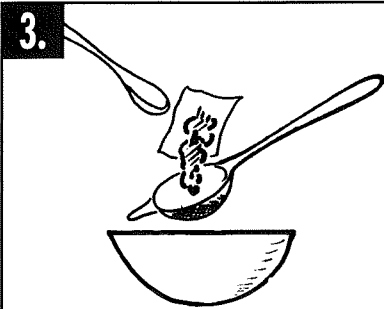
- Balance (to weigh in grams)
- Small coarse sieve (tea strainer)
- small round bowl (about 100ml capacity)
- Teaspoon
- Pasteur pipette
- McMaster counting slide
- Flotation solution (see below)
- Microscope
- Liquid measure (mls)
- ★ A Universal bottle filled to brim holds 28ml



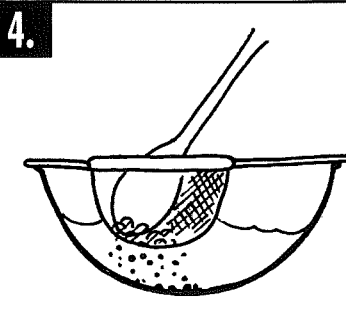
1. Weigh about 2gm of faeces onto a small piece of paper



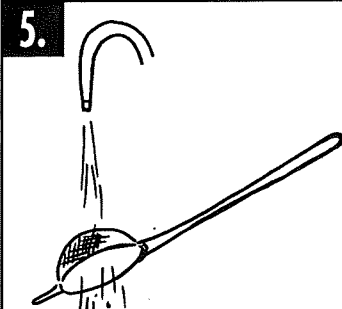
2. Place 28ml Flotation solution in the bowl



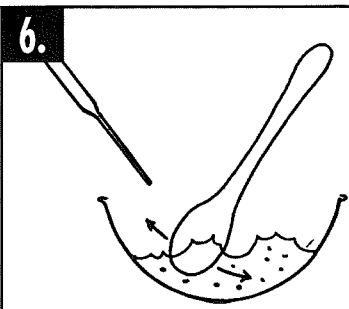
3. Scrape the weighed sample into the sieve over the bowl



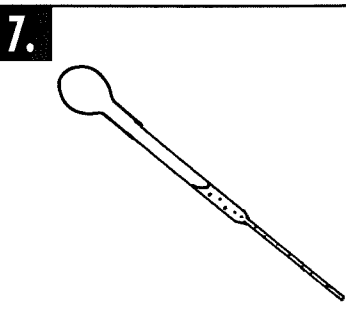
4. Using the teaspoon work the faeces through the sieve into the liquid



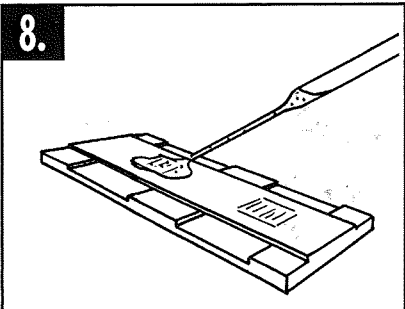
5. Discard the residue in the sieve



6. mix the contents of the bowl thoroughly by a 'to and fro' action..



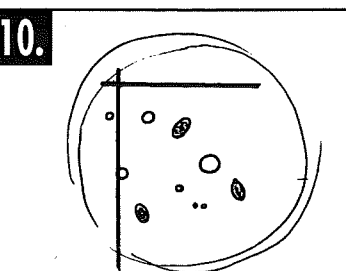
7. *and* ...at the same time remove a sample in the pipette



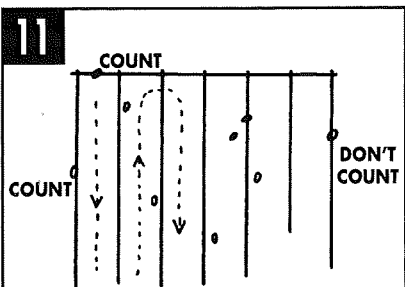
8. Holding the pipette at 45° quickly fill one chamber of the counting slide

9. Repeat the mixing and sampling and fill the other chamber.

Allow slide to stand for 2 minutes.



10. Using 10xobj. focus on the air bubbles; grid lines and eggs are in the same plane.



11. Count systematically across the grids. Include eggs touching top and left lines of grid.

12. Total no. eggs in grid 1 plus grid 2 x 50 equals no. eggs per gm. faeces or e.p.g.

## FLOTATION SOLUTIONS FOR ROUTINE USE

- Saturated NaCl in H<sub>2</sub>O
- higher specific gravity for **Trichuris**, **Capillaria** etc.
- 33% ZnSO<sub>4</sub> in H<sub>2</sub>O
- saturated MgSO<sub>4</sub> in H<sub>2</sub>O
- or
- saturated sugar in H<sub>2</sub>O