



Microscopic evaluation

SEMEN EVALUATION II : MICROSCOPIC EVALUATION

1. WAVE PATTERN

- Nett semen. No dilution at all
- Mag X 40
- ≤ 3minutes
- Use pippete tip or woodenstick
- Examine peripheral
- If sperm are swimming in a tight circular motion, this signifies = cold shock

Score:

- 1 Dead (Total immobility)
- 2 Very slow + clear
- 3 Slow motion +clear
- 3 Motion +grey
- 4 Fast motion +dark
- 5 Very fast +dark



Wave score 3

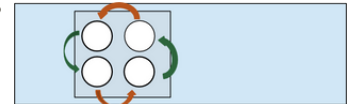


Wave score 5

2. MOTILITY

1. General(~5 minutes)
 - Dilution - nett semen with normal saline(NS)
 - 1:100 (e.g.1ml:99ml)
 - Then, put 1 drop of semen onto the glass slide +coverslip
 - Examine under microscope Mag200X
 - Give range, how many are alive?
 - e.g :80-90%

:40-45%



2. Individual

- Use same sample/ slide & examine under 400X Mag; ≤ 7minutes
- a) Forward
 - b) Backward
 - c) Rotating or Spiral
 - d) Vibrating
- Estimate the%