



Urine Wet Prep Protocol

Materials:

1-3 ml of urine
Pipette
Urine centrifuge tube
Centrifuge
Sterile syringe
Microscope slide (labelled in pencil)
Microscope, condenser down.

Protocol

1. Centrifuge urine sample (1500rpm for 3-5 minutes).
2. Draw off nearly all of the supernatant, re-suspend sediment by inverting urine tube 2-3 times.
3. Using aseptic technique, draw up urine into a syringe or transfer pipette. Place two drops on the centre of a microscope slide and cover with a coverslip.
4. Lower the condenser on the microscope away from the viewing platform. Turn the light down to about a quarter power.
5. Start on the 10 or 20x objective. Focus first on the edge of the coverslip to find the appropriate plane of focus.
6. Once you have identified your sample and plane of focus, change to 40X objective for greater clarity.
7. Bacteria, WBC, RBC, casts and crystals are all easily seen.
8. If bacteria are identified, make a smear for gram staining.

