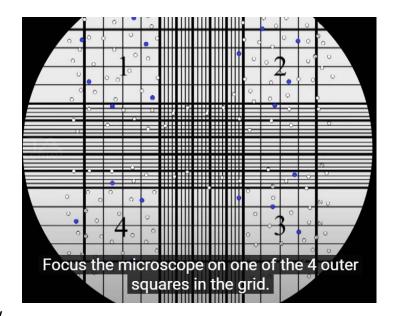


Job Aid

Document G_90_J_16_A Author: V Nauna Authorised: W Porau 6/9/22 Review: 6/9/25

Urine Microscopy with Neubauer Counting Chamber

- 1. Clean the counting chamber with 70% alcohol
- 2. Put the coverslip onto the counting chamber
- 3. Mix the urine for the even distribution of the cells
- 4. Touch one side of the coverslip with the urine filled capillary tube so that the urine flows slowly and fills the chamber. Do not overflow



- 5. Focus with 10X objective and then to 40X
- 6. With the 40X objective, count the number of cells in one large square (labeled 1 to 4 in figure above)
- 7. Read as stated below:
 - If cells are <10 in one square (WCC)
 - If cell are >10 or <20 in one square
 - If cells are >20 in one square
 - If cells are >100 in one square
 - Normal WCC
 - No Cells

count 5 squares x 2/cmm count 2 squares x 5/cmm count 1 square x 10/cm Report as >100/cmm 1-10 cells/cmm

Report as Nil

8. Use these reporting ranges:

Nil 0-10 cells/cmm 10-100 /cmm >100 cells/cmm

Also report presence of bacteria, casts, crystals and yeasts as +, ++ or +++.

Reference: G_90_SOP_11 Urine Microscopy and Culture

Amendment: nil