

To count white blood cells (WBCs) using a hemocytometer, follow these steps:

1. If required, report the findings according to the laboratory protocol or medical standards.
2. Remember, proper technique and practice are essential to obtain reliable and consistent results while using a hemocytometer for WBC counting.
3. Calculate the count: Once the counting is complete, calculate the concentration of WBCs in the original sample using the formula provided with the hemocytometer.
4. Prepare the sample: Dilute the blood sample with a suitable diluting fluid, such as Turk's solution or Hayem's solution.
5. Observe under a microscope: Place the hemocytometer under a microscope and adjust the focus to clearly visualize the counting area. The counting area is divided into squares and further subdivided into smaller squares, making it easier to count WBCs. This formula takes into account the cell count, the dilution factor, and the volume of the sample loaded into the chamber.
6. Repeat for accuracy: For accurate results, repeat the counting process for several squares on the hemocytometer.
7. 8. 9.