

Counting cells with the hemocytometer

1. Trypsinize the cells as described before.
2. Place the coverslip on the hemocytometer slide.
3. Allow one drop of cell suspension from a pasteur pipette to be drawn under the coverslip.
4. Place on the microscope and count the 16 squares in each corner of the grid (see figure).

To calculate:

$$\text{cells/ml} = (\text{total \# cells})/4 \times 10^4$$

The hemocytometer grid (circles indicate the 16 squares to be counted)