



Model pictured:  
*Hemocytometer*



- High light transmission
- Brightly illuminated line
- Two special counting chamber cover glass

### Introduction

The hemocytometer is designed especially for counting erythrocytes and leukocytes. Double rulings are visible through a wide range of illumination. Light transmission is between 29% and 32%. Neubauer rulings are 0.1 mm below cover glass. The H-shaped moat offers two counting areas. Fused rhodium on glass provides distinct lines.

### Operation

Place the coverslip over the grid. The coverslip will need to hang over the beveled edges. Load both sides of the hemocytometer by placing the tip of the pipette at the edge of the coverslip. The suspension will fill the chambers through capillary action. Select five squares on each side and count the cells within those squares. Take the total number of cells counted in all ten squares and divide it by 10. This will give you an average number per square. Take this number and multiply it by 10,000. This number is the number of cells per ml of the cell suspension. Multiply this number by the total mls of original cell suspension to get the grand total number of cells.