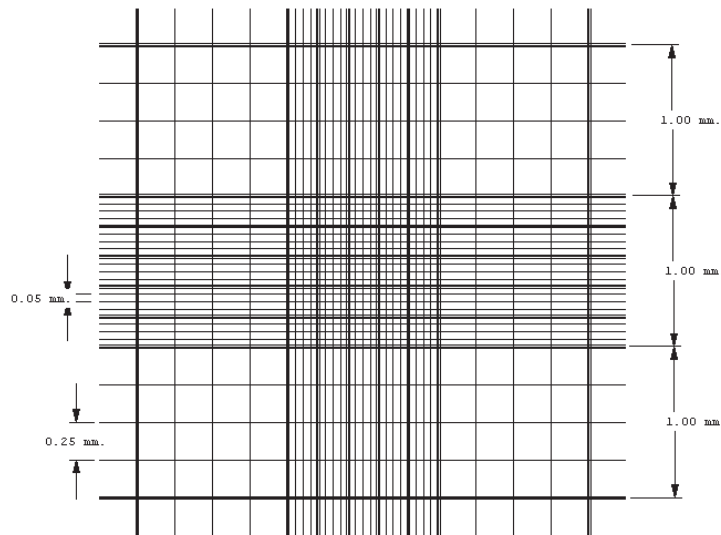


Counting Chamber Directions for Use

STEMCELL Catalog Numbers: 100-1181 (Hausser Catalog Number 3100)

Usage: Cell Counts
 Cell Depth: 0.100mm +/- 2% (1/10mm)
 Volume: 0.1 Microliter
 Ruling Pattern: Improved Neubauer, 1/400 Square mm

Rulings cover 9 square millimeters. Boundary lines of the Neubauer ruling are the center lines of the groups of three. (These are indicated in the illustration below.) The central square millimeter is ruled into 25 groups of 16 small squares, each group separated by triple lines, the middle one of which is the boundary. The ruled surface is 0.10mm below the cover glass, so that the volume over each of the 16 small squares is .00025 cubic mm.



The number of cells per cubic millimeter =
 Number of cells counted per square millimeter X dilution (if used) X 10

One (1) Milliliter = 1000 cubic millimeters (cu mm)

One (1) Microliter (ul) = One (1) cubic millimeter (cu mm)

To clean the counting chamber:

After completing the count, remove the cover glass and clean the counting chamber with water or a mild cleaning solution (10% solution of bleach). Dry the counting chamber with a non-abrasive wipe.