

HS Hausser Scientific
Products You Can Count On!

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Directions for Use

Bright Line Counting Chamber

Catalog Numbers: 3100, 3110, 3120, 3200, 3500, 3520, 1475, 1490, 1492, 1483

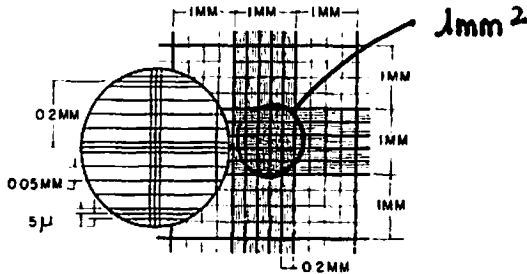
Usage: Cell Counts

Cell Depth: 0.100MM ± 2%(1/10 mm)

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 0.10 mm 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 = 1 mm^3


per ml
 # cells in square x dil $\times 10^4 \times 1000$
 =

Number of cells counted per square millimeter X dilution (if used) X 10

One (1) Milliliter = 1000 cubic millimeters (cu mm) $1 \text{ mm}^3 = 1 \text{ mL}$

One (1) Microliter (μL) = One cubic millimeter (cu mm) $1 \text{ cm}^3 = 1 \mu\text{L}$

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