



**BIOCHROM** AG

New from Biochrom

**1,2,3...cell counting with our new disposable counting chambers**

High-precision Neubauer counting chamber "improved", suitable for any cell type

The counting chamber looks like the familiar Neubauer "improved" hemocytometer: The cells are distributed over 3 x 3 large squares, each with 1 mm edge length and with a surface area of 1 mm<sup>2</sup>. Count your cells as usual – whether stained or unstained.

With the C-Chip, you inject the sample, stained or unstained, into the desired chamber. Two separate counting chambers facilitate two counts per C-Chip.

**Quick, easy and safe:**

- Minimal manufacturing tolerances
- High precision
- Small risk of infection

**Product details:**

Cat. no.: P DHC-N01

Amount: One pack contains 50 C-Chips (for a total of 100 counts)

Price: 73.50 €

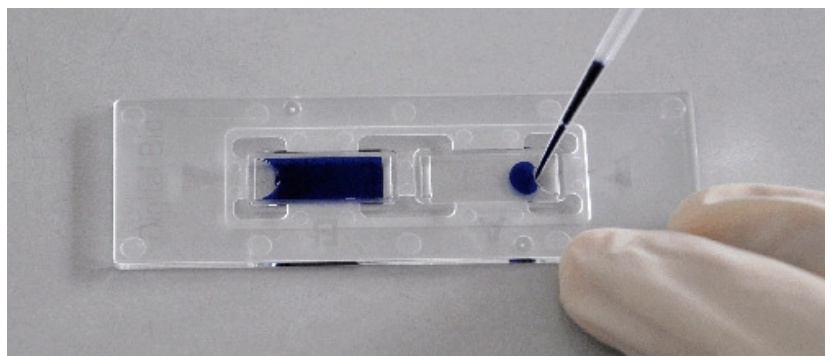
(free sample [info@biochrom.de](mailto:info@biochrom.de))

**Easy to use:**

1. Mix the samples well
2. Load 10 µl of sample into the sample injection area so that it fills the chamber by capillary action
3. Count the cells under microscope

**Account of the cells:**

Cells per ml =  
 Average count per square x  
 dilution factor x volume factor



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## Counting with the C-Chip

Erythrocyte counting (1:200 dilution)	Account erythrocytes
<ol style="list-style-type: none"> <li>1. Dilute blood using accepted laboratory methods</li> <li>2. Load 10 µl of diluted sample into the sample injection area</li> <li>3. Count the erythrocytes in the 5 small squares (four small corner squares and one small middle square) of the large center square</li> </ol>	Erythrocytes per ml = cells in 5 small squares x 5 x 200 (dilution factor) x 10 <sup>4</sup> (volume factor)
Mammalian cell counting	Account mammalian cells
<ol style="list-style-type: none"> <li>1. Treat the cell samples with Trypsin-EDTA.</li> <li>2. Carefully remove the supernatant with a pipette tip without disturbing the pellet</li> <li>3. Add an appropriate volume of growth media or PBS to dilute to a final concentration of 5x10<sup>3</sup> cells/ml to 5x10<sup>6</sup> cells per ml</li> <li>4. Thoroughly resuspend the cell pellet with a pipette</li> <li>5. Check visually if there are any cell clumps or agglomerates</li> <li>6. Load 10 µl of sample into the sample injection area</li> <li>7. Count the cells in 5 large squares</li> </ol>	Cells per ml = (cells in 5 large squares/5) x dilution factor x 10 <sup>4</sup> (volume factor)
Leukocyte counting (1:20 dilution)	Account leukocytes
<ol style="list-style-type: none"> <li>1. Dilute blood using accepted laboratory methods</li> <li>2. Load 10 µl of diluted sample into the sample injection area</li> <li>3. Count the leukocytes in the 4 large corner squares</li> </ol>	Leukocytes per ml = (cells in 4 corner squares/ 4) x 20 (dilution factor) x 10 <sup>4</sup> (volume factor)



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