

[back](#) • [next](#)

Counting chambers

Counting chambers are instruments for precise measuring. They are made of special optical glass and serve to determine the number of particles in liquids. Our counting chambers are manufactured in accordance with the DIN 12 847 and the German Calibration Ordinance.

In-vitro diagnostic applications generally require duplicate determinations. Consequently, our counting chambers for investigations of cell suspensions are equipped with 2 sets of grids. These counting grids are engraved into 2 ground and polished surfaces on the central ridge (=chamber bottom). This central ridge is located between 2 elevated also ground and polished ridges. A cover glass with a thickness of 0.4 mm is placed on top of these 2 outer ridges. This cover glass limits the examined volumes above the counting grids.

Dark-lined: standard counting chambers have counting grids which are engraved into the chamber bottom. Under the microscope the counting grid appears as a grid of dark lines.

Bright-lined: these counting chambers have counting grids which are engraved into an annealed metal coating, so that the counting grid appears as a grid of bright lines.

- [Drawings of the counting grids can be found here](#)
- [Find here an information about working with counting chambers](#)

Counting chambers, glass, DIN 12 847, with double net ruling, in transparent plastic box with 2 cover glasses 0.4 mm thickness, without clamps. The tolerance of the depth of chamber is $\pm 2\%$

suitable for in-vitro diagnostic applications, CE

| dark line | bright line | | |
|-----------|-------------|-------------------|------------------|
| Cat. No. | Cat. No. | system | depth of chamber |
| 06 400 10 | 06 400 30 | Neubauer-improved | 0.1 mm |
| 06 401 10 | 06 401 30 | Neubauer | 0.1 mm |
| 06 402 10 | 06 402 30 | Bürker | 0.1 mm |
| 06 403 10 | 06 403 30 | Bürker-Türk | 0.1 mm |
| 06 404 10 | 06 404 30 | Fuchs-Rosenthal | 0.2 mm |
| 06 405 10 | 06 405 30 | Nageotte | 0.5 mm |
| 06 406 10 | 06 406 30 | Malassez | 0.2 mm |
| 06 407 10 | 06 407 30 | Thoma | 0.1 mm |
| 06 408 10 | 06 408 30 | Thoma neu | 0.1 mm |



not CE marked, only for sale and application outside EU

| dark line | bright line | system | depth of chamber |
|-----------|-------------|-------------------|------------------|
| 06 100 10 | 06 100 30 | Neubauer-improved | 0.1 mm |
| 06 101 10 | 06 101 30 | Neubauer | 0.1 mm |
| 06 102 10 | 06 102 30 | Bürker | 0.1 mm |
| 06 103 10 | 06 103 30 | Bürker-Türk | 0.1 mm |
| 06 104 10 | 06 104 30 | Fuchs-Rosenthal | 0.2 mm |
| 06 105 10 | 06 105 30 | Nageotte | 0.5 mm |
| 06 106 10 | 06 106 30 | Malassez | 0.2 mm |
| 06 107 10 | 06 107 30 | Thoma | 0.1 mm |



xx xxx x1

for counting chambers with 2 clamps please