

Counting chambers

made of special optical glass

Assistent® counting chambers are precision measuring instruments. They are used to count the number of particles per volume unit of a liquid.

The counting chambers are supplied with CE mark as per IVD directive 98/79/EC. Counting chambers without CE mark are available for use outside the European Union only.

The size of the counting chambers is approx. 76 x 32 mm.

The lateral fields for inscription are separated by grooves from the three ground and polished supports.

The central support is deeper than the outer ones and is referred to as "depth of chamber".

The depth (tolerance $\pm 2\%$) depends on the ruling - see the following descriptions.

The rulings are engraved into the central support. Counting chambers with double ruling are common. The central support of those chambers is divided by an additional groove.

Counting chambers bright-line

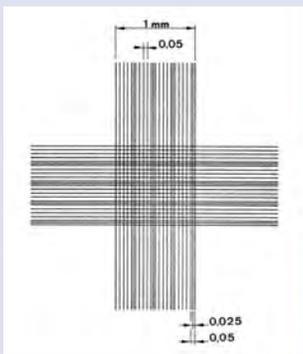
The central support is coated by a rhodium layer wherein the rulings are engraved. The coating provides a sharp contrast and the lines appear brightly illuminated.

Special production

Other depths are available on request.

Packing

Counting chamber, with 2 optically plane cover glasses, in a transparent plastic box



Counting chambers Thoma

for counting thrombocytes and erythrocytes
for export outside EU only, chamber depth 0.1 mm

Ruling

Large central square: 1 mm²

consisting of

groups of 16 squares 0.2 x 0.2 mm - surface area 0.04 mm² (result from the intermediate line at every 1st, 6th, 11th and 16th square)

divided into 400 small squares 0.05 x 0.05 mm - surface area 0.0025 mm²

- 40440001** Single ruling, without clamps, without CE mark
- 40440002** Double ruling, without clamps, without CE mark
- 40440003** Double ruling, without clamps, without CE mark

Counting chambers Thoma

Chamber depth 0.1 mm, CE

- 40440701** Single ruling, without clamps
- 40440702** Double ruling, without clamps
- 40440703** Double ruling, with clamps
- 40440712** Double ruling, bright-line, without clamps