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Counting Chambers and Hemocytometers

Bild folgt ...

Picture follows ...

Image suivra ...

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 chrome 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

[» go to product \(website\)](#)



Hemocytometers

Item number:
4042

without CE marking, for export outside EU only
complete in plastic case

consisting of:

- 1 erythrocyte pipette
 - 1 leucocyte pipette
 - 2 rubber tubings with mouthpieces
 - 1 counting chamber
 - 2 optically plane cover glasses
- directions for use

- 40420001** Hemocytometers Thoma single ruling
- 40420002** Hemocytometers Thoma double ruling
- 40420003** Hemocytometers Thoma double ruling, with clamps
- 40421001** Hemocytometers Neubauer single ruling
- 40421002** Hemocytometers Neubauer double ruling
- 40421003** Hemocytometers Neubauer double ruling, with clamps
- 40421012** Hemocytometers Neubauer double ruling, bright-line
- 40422002** Hemocytometers Neubauer improved double ruling
- 40422012** Hemocytometers Neubauer improved double ruling, bright-line
- 40423001** Hemocytometers Bürker single ruling
- 40423002** Hemocytometers Bürker double ruling
- 40423003** Hemocytometers Bürker double ruling, with clamps
- 40424002** Hemocytometers Türk double ruling
- 40425002** Hemocytometers Bürker-Türk double ruling
- 40425003** Hemocytometers Bürker-Türk double ruling, with clamps
- 40426001** Hemocytometers Nageotte single ruling
- 40427002** Hemocytometers Thoma neu double ruling
- 40429001** Hemocytometers Fuchs-Rosenthal single ruling
- 40429002** Hemocytometers Fuchs-Rosenthal double ruling
- 40429003** Hemocytometers Fuchs-Rosenthal double ruling, with clamps
- 40429012** Hemocytometers Fuchs-Rosenthal, double ruling, bright-line

Other types are available on request.

Pipetting by mouth is prohibited according to current regulations.

We reject any kind of product liability in case of using mouthpiece with rubber tubing.

We recommend our pipetting aid no. 40558010 and 40558001.

[» go to product \(website\)](#)



Cover glasses for haemocytometer, CE

Item number:
40412

Haemocytometer cover glasses are used to cover specimens in counting chambers. The cover glass is placed on the outer supports and due to their flatness adheres very well. Thus it forms an exact capillary gap defining the volume of the cell suspension over the counting grid.

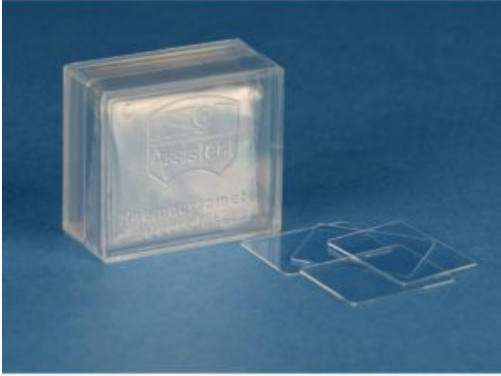
Additional feature:

Due to their high edge quality these cover glasses are perfectly well suited for blood smears.

- made of special optical glass
- ready for use
- ground and polished edges
- for in-vitro diagnostic (IVD) applications according to IVD directive 98/79/EC, with CE-mark and batch number for comprehensive information and traceability

Item No.	Thickness	Dimensions
40412710	0.4mm	30 x 30mm

[» go to product \(website\)](#)



Cover glasses for haemocytometer, CE

Item number:
40415

Haemocytometer cover glasses are used to cover specimens in counting chambers. The cover glass is placed on the outer supports and due to their flatness adheres very well. Thus it forms an exact capillary gap defining the volume of the cell suspension over the counting grid.

Additional feature:

Due to their high edge quality these cover glasses are perfectly well suited for blood smears.

- made of special optical glass
- ready for use
- ground and polished edges
- for in-vitro diagnostic (IVD) applications according to IVD directive 98/79/EC, with CE-mark and batch number for comprehensive information and traceability

Item No.	Thickness	Dimensions
40415710	0.4mm	20 x 26mm

[» go to product \(website\)](#)



Cover glasses for haemocytometer, CE

Item number:
40416

Haemocytometer cover glasses are used to cover specimens in counting chambers. The cover glass is placed on the outer supports and due to their flatness adheres very well. Thus it forms an exact capillary gap defining the volume of the cell suspension over the counting grid.

Additional feature:

Due to their high edge quality these cover glasses are perfectly well suited for blood smears.

- made of special optical glass
- ready for use
- ground and polished edges

for in-vitro diagnostic (IVD) applications according to IVD directive 98/79/EC, with CE-mark and batch number for comprehensive information and traceability

Item No.	Thickness
40416710	0.4mm

[» go to product \(website\)](#)



Cover glasses for haemocytometer, CE

Item number:
40417

Haemocytometer cover glasses are used to cover specimens in counting chambers. The cover glass is placed on the outer supports and due to their flatness adheres very well. Thus it forms an exact capillary gap defining the volume of the cell suspension over the counting grid.

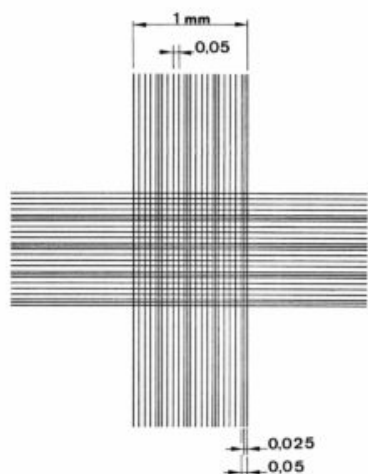
Additional feature:

Due to their high edge quality these cover glasses are perfectly well suited for blood smears.

- made of special optical glass
- ready for use
- ground and polished edges
- for in-vitro diagnostic (IVD) applications according to IVD directive 98/79/EC, with CE-mark and batch number for comprehensive information and traceability

Item No.	Thickness	Dimensions
40417710	0.4mm	24 x 24mm

[» go to product \(website\)](#)



Counting chambers Thoma

Item number:
40440

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

Item No.	Version
40440001	single ruling, without clamp, without CE
40440002	double ruling, without clamp, without CE
40440003	double ruling, with clamp, without CE

[» go to product \(website\)](#)

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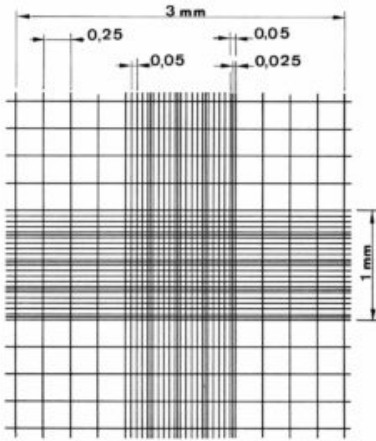
Counting chambers Thoma

Item number:
40440

Chamber depth 0.1 mm, CE

Item No.	Version
40440701	single ruling, without clamp
40440702	double ruling, without clamp
40440703	double ruling, with clamps

[» go to product \(website\)](#)



Counting chambers Neubauer

Item number:
40441

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

Ruling
9 large squares of 1 mm² each = 9.0 mm².
Ruling like Thoma - additionally 4 squares in the corners
each divided into 16 equal squares

Item No.	Version
40441001	single ruling, without clamp
40441002	double ruling, without clamp
40441003	double ruling, with clamp

[» go to product \(website\)](#)

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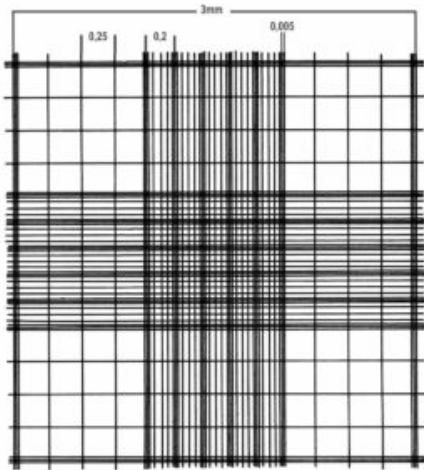
Counting chambers Neubauer

Item number:
40441

Chamber depth 0.1 mm, CE

Item No.	Version
40441701	single ruling, without clamp
40441702	double ruling, without clamp
40441703	double ruling, with clamps
40441712	double ruling, bright-line, without clamps

[» go to product \(website\)](#)



Counting chambers improved Neubauer

Item number:
40442

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

Ruling
9 large squares of $1 \text{ mm}^2 = 9 \text{ mm}^2$
The central square of 1 mm^2 contains 25 groups of squares divided into 16 mini squares of $0.05 \times 0.05 \text{ mm}$ each.
Triple marginal lines **at all sides** of the square groups distinguish this ruling from Neubauer. The middle line is decisive for the counting.

Item No.	Version
40442002	double ruling, without clamp
40442012	double ruling, bright-line, without clamp

[» go to product \(website\)](#)

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Image suivra ...

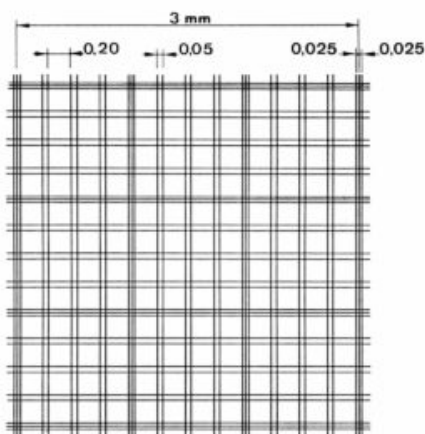
Counting chambers improved Neubauer

Item number:
40442

Chamber depth 0.1 mm, CE

Item No.	Version
40442702	double ruling, without clamp
40442712	double ruling, bright-line, without clamps

[» go to product \(website\)](#)



Counting chambers Bürker

Item number:
40443

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

Ruling
9 large squares - surface area 1 mm² each = 9 mm²
Each large square is divided into 16 groups of squares 0.2 x 0.2 mm.
Additionally there are small squares of an surface area of
0.0025 mm² each.

Item No.	Version
40443001	single ruling, without clamp
40443002	double ruling, without clamp
40443003	double ruling, with clamp
40443013	double ruling, bright-line, with clamp

[» go to product \(website\)](#)

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Picture follows ...

Image suivra ...

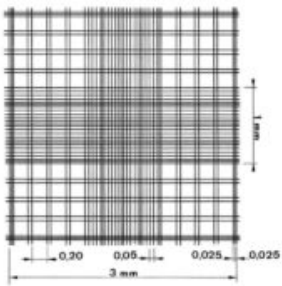
Counting chambers Bürker

Item number:
40443

Chamber depth 0.1 mm, CE

Item No.	Version
40443701	single ruling, without clamp
40443702	double ruling, without clamp
40443703	double ruling, with clamps
40443712	double ruling, bright-line, without clamps
40443713	double ruling, bright-line, with clamps

[» go to product \(website\)](#)



Counting chambers Türk

Item number:
40444

for export outside EU only, chamber depth 0.1 mm

Ruling

Total surface area: 9 mm²

The overall size and the central square correspond to the Neubauer ruling.

The groups of squares in the corners are divided by double lines.

Item No.	Depth	Version
40444002	0.1 mm	double ruling, without clamp, without CE

[» go to product \(website\)](#)

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Image suivra ...

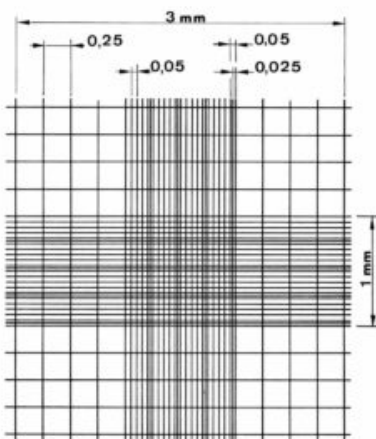
Counting chambers Türk

Item number:
40444

Chamber depth 0.1 mm, CE

Item No.	Version
40444702	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers Bürker-Türk

Item number:
40445

for export outside EU only, chamber depth 0.1 mm

Ruling

combination of Buerker and Thoma

9 large squares of 1 mm² each

consisting of 16 groups of squares of 0.2 x 0.2 mm

Large central square: 16 small squares of 0.05 x 0.05 mm - surface area of 0,0025 mm² each

Item No.	Version
40445002	double ruling, without clamp
40445003	double ruling, with clamp

[» go to product \(website\)](#)



Counting chambers Bürker-Türk

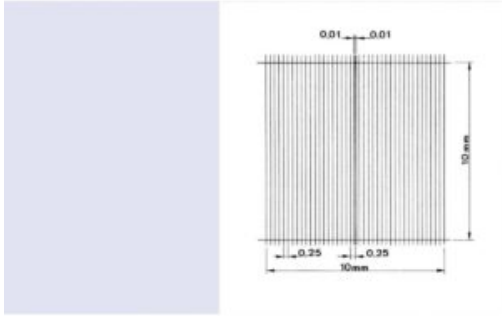
Item number:

40445

Chamber depth 0.1 mm, **CE**

Item No.	Version
40445702	double ruling, without clamp
40445703	double ruling, with clamps

[» go to product \(website\)](#)



Counting chambers Nageotte

Item number:
40446

for the examination of lumbar fluid
for export outside EU only, chamber depth 0.5 mm

Ruling
Total area: 100 mm²
divided into 40 rectangles of 10 x 0.25 mm each = 2.5 mm²
The middle of the ruling is marked by a double line.

Item No.	Version
40446001	single ruling, without clamp
40446002	double ruling, without clamp

[» go to product \(website\)](#)



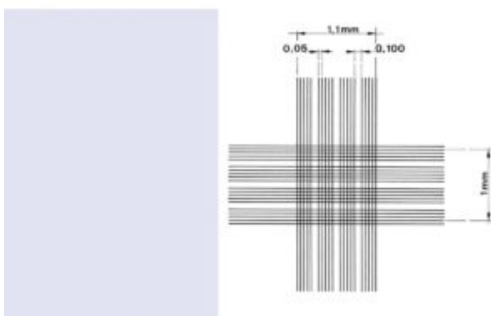
Counting chambers Nageotte

Item number:
40446

Chamber depth 0.5 mm, **CE**

Item No.	Version
40446701	single ruling, without clamp
40446702	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers Thoma new

Item number:
40447

for export outside EU only, chamber depth 0.1 mm

Ruling

Total surface area: 1.21 mm²

divided into 16 groups of squares like Thoma ruling, but without marginal squares, where the erythrocytes easily agglomerate at the triple lines.

Item No.	Version
40447002	double ruling, without clamp

[» go to product \(website\)](#)

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Picture follows ...

Image suivra ...

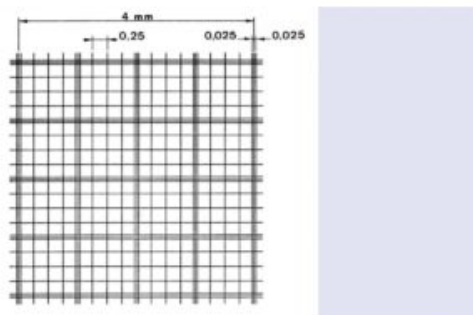
Counting chambers Thoma new

Item number:
40447

Chamber depth 0.1 mm, CE

Item No.	Version
40447701	single ruling, without clamp
40447702	double ruling, without clamp
40447703	double ruling, with clamps

[» go to product \(website\)](#)



Counting chambers Fuchs-Rosenthal

Item number:

40449

for counting cells in cerebrospinal fluid
for export outside EU only, chamber depth 0.2 mm

Ruling

Total surface area: 16 mm²

16 squares of 1 mm² each

each consisting of 16 mini squares of 0.25 x 0.25 mm -
surface area 0.0625 mm² each

Item No.	Version
40449001	single ruling, without clamp
40449002	double ruling, without clamp
40449003	double ruling, with clamp
40449012	double ruling, bright-line, without clamp
40449013	double ruling, bright-line, with clamp

[» go to product \(website\)](#)

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Picture follows ...

Image suivra ...

Counting chambers Fuchs-Rosenthal

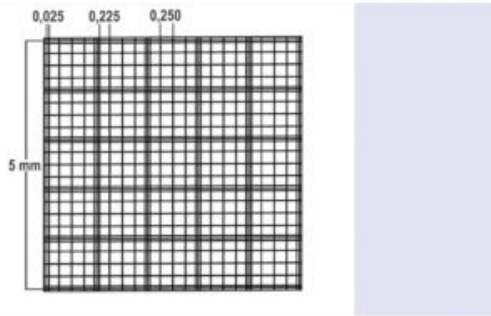
Item number:

40449

Chamber depth 0.2 mm, CE

Item No.	Version
40449701	single ruling, without clamp
40449702	double ruling, without clamp
40449703	double ruling, with clamps
40449712	double ruling, bright-line, without clamps
40449713	double ruling, bright-line, with clamps

[» go to product \(website\)](#)



Counting chambers Jessen

Item number:
40450

for counting cells in cerebrospinal fluid
for export outside EU only, chamber depth 0.4 mm

Ruling
Total surface area: 25 mm², volume: 10 mm³
25 groups of squares of 1 mm² each
consisting of 16 small squares 0.25 x 0.25 mm -
surface area 0.0625 mm² each

Item No.	Depth	Version
40450002	0.4 mm	double ruling, without clamp, without CE

[» go to product \(website\)](#)



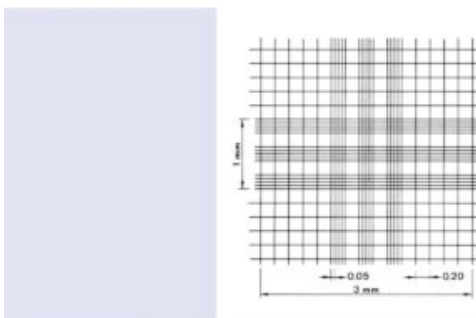
Counting chambers Jessen

Item number:
40450

Chamber depth 0.4 mm, **CE**

Item No.	Version
40450702	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers Schilling-Kreuznetz (cross-shaped ruling)

Item number:
40452

for export outside EU only, chamber depth 0.1 mm

Ruling

Total surface area: 9.0 mm²

Central square: 9 groups of squares with mini squares
of 0.0025 mm² each

The corner squares are divided into 25 small squares
of 0.04 mm² each

Item No.	Depth	Version
40452002	0.1 mm	double ruling, without clamp, without CE

[» go to product \(website\)](#)

Bild folgt ...

Picture follows ...

Image suivra ...

Counting chambers Schilling-Kreuznetz

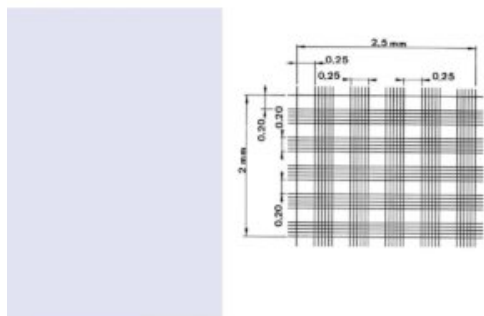
Item number:

40452

Chamber depth 0.1 mm, CE

Item No.	Version
40452702	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers Malassez

Item number:
40453

for export outside EU only, chamber depth 0.2 mm

Ruling

Total surface area: 5.0 mm² (2 x 2.5 mm)

100 rectangles 0.20 x 0.25 mm

consisting of

25 fields divided into 20 squares of 0.05 x 0.05 mm -

surface area 0.0025 mm² each

25 fields divided into 5 rectangles of 0.20 x 0.05 mm -

surface area 0.01 mm² each

25 fields divided into 4 rectangles of 0.25 x 0.05 mm -

surface area 0.0125 mm² each

25 fields of 0.20 x 0.25 mm - surface area 0.05 mm² each - without division

Item No.	Version
40453001	single ruling, without clamp
40453002	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers Malassez

Item number:
40453

Chamber depth 0.2 mm, **CE**

Item No.	Version
40453701	single ruling, without clamp
40453702	double ruling, without clamp

[» go to product \(website\)](#)



Counting chambers according to McMaster

Item number:
40454

for veterinary medicine (e.g. helminth eggs counting)
with 2 counting areas, cover glass with 2 counting grids glued on
3 supports

Item No.	Counting area	Dimensions
40454010	10 x 10 x 1.5 mm	approx. 76 x 32 mm

[» go to product \(website\)](#)

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