

STAGE MICROMETERS / GRATICULES (RETICLES)

Specialist Counting Chambers

Haemocytometry, Parasitology, Cytology

- Neubauer
- Modified Fuchs Rosenthal
- Burkner
- McMaster
- Nageotte
- Agasse Lafont R & B
- Improved Neubauer
- Thoma
- Evaluation
- Malassez
- Helber
- Turk
- Fertility/Semen
- Lemaur

This range of quality counting chambers is available in types as listed below. Chambers with inside markings have rulings applied using engraving techniques to give a permanent image, clearly visible through the glass without sacrificing light transmission. Chambers with ruled cover glass have a robust image applied using chrome deposition.

Type	Depth	Description
For Haemoglobin and Lucocyte counts:		
Malassez	0.2mm	Available with single or double cell. Standard French ruling.
Thoma	0.1mm	Available with single or double cell. Standard German ruling.
Neubauer	0.1mm	Available with single or double cell. Modified Thoma ruling.
Improved Neubauer	0.1mm	Available with double cell only. Ruling allows full use of central squares
Turk	0.1mm	Available with double cell only. Combination of Burkner & Thoma rulings
Burkner	0.1mm	Available with double cell only. For counts in bands
Agasse Lafont R	0.001mm	Single cell only. Completely decimal.
For urinary cytology, cephalo-rachidien fluid analysis:		
Nageotte	0.5mm	Available with single or double cell. For liquids poor in content (French).
Lemaur	0.4mm	Available with single cell only. Improved Nageotte with smaller volume.
Modified Fuchs Rosenthal	0.2mm	Available with single or double cell. For liquids poor in content (German).
Other applications:		
McMaster	1.5mm	Double cell for parasitology (worm egg counting).
Helber	0.02mm	Single round cell for bacteria counting. Slide 1mm thick with Thoma ruling.
Evaluation	0.02mm	Single round cell for bacteria evaluation. Slide 1mm thick, no ruling.
Fertility Semen	0.1mm	Single round cell for counting untreated semen/fertility. Ruling of 10 x 10 grid of 0.1mm squares.
Agasse Lafont B	0.003mm	Single cell only. Completely decimal.

All of these cells are supplied with either blank or ruled cover glasses.

We manufacture components (encoder discs, graticules, metal foils, resolution standards) to custom design, if it is not in the catalogue please contact us for pricing information.

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Makler Counting Chamber

For Rapid Semen Analysis

The Makler counting chamber is only 10microns deep, which is one tenth the depth of other haemocytometers, making it the shallowest of known chambers. This quality chamber is constructed from two pieces of optically flat glass: the first is the chamber, the second the cover glass which has a fine grid pattern of 1mm squares and a centre area further subdivided into 0.1mm squares. Four quartz pins of precise height hold the cover glass to give an exact trapped specimen depth of 10microns.

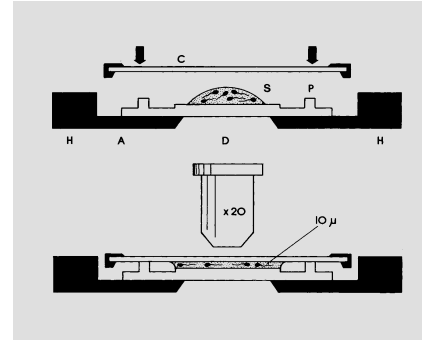


Diagram showing the cover glass being placed on the chamber to trap a 10micron depth of semen.