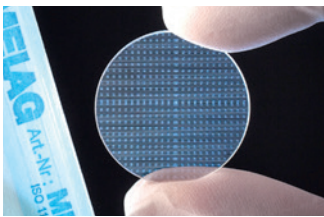


OC.024



Countfix™ - multiwell coverslips in polystyrene with special micro-structured counter-grid

Counting cell growth without interrupting research

Manufactured by kdg Opticomp, Elbigenalp, Austria
Developed in cooperation with the Innsbruck Medical University and the University of Applied Sciences (FH Vorarlberg) within the framework of an R&D project funded by the Austrian Research Promotion Agency (FFG)

Product features

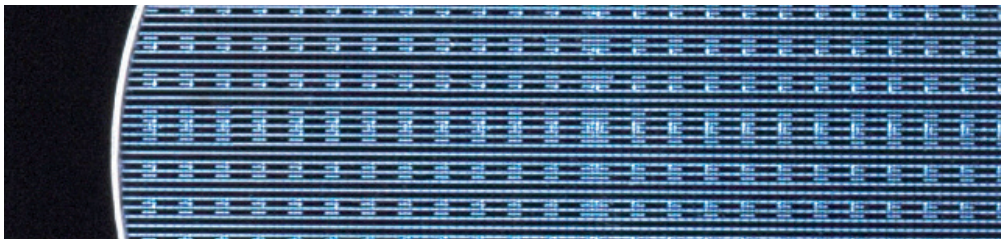
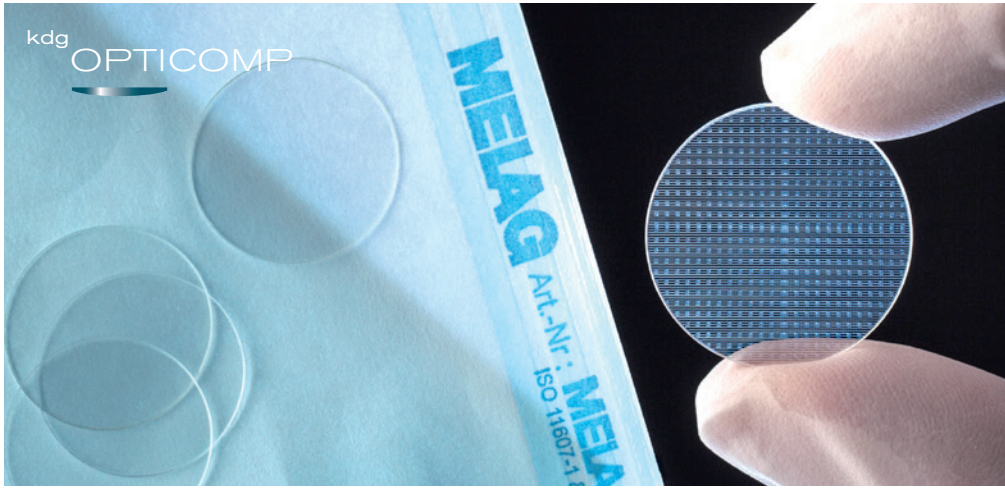
This new development enables cell cultures in multiwell plates to be directly and continuously counted without any interruptions to the actual process by virtue of a special, microstructured grid on the multiwell coverslips. The grid is applied to the injection moulding tool via electron beam lithography and a special electroplating technique. As a result, coverslips can be serially manufactured in plastic (polystyrene) and are therefore much cheaper and, of course, easier to handle than conventional counting chambers made of glass.

Experiments carried out by our development partner at Innsbruck Medical University have shown that the microstructure has no effect at all on cell growth. The grid itself consists of 1 mm x 1 mm square cell units which are subdivided into sixteen 250 µm squares. A further grid structure, starting in the disc centre of the Countfix™ multiwell coverslips, consists of a total of forty-eight 125 µm squares configured in a 4:3 format throughout. This offers excellent opportunities for photographic documentation of cell samples.

Sequences of numbers and letters are also engraved starting in the disc centre of the grid so that the cell culture areas under investigation can be identified quickly and easily. The sequences indicate the position of the 4:3 segments on the Countfix™ multiwell coverslips.

Countfix™ multiwell coverslips are made from 0.45 mm thick polystyrene and are available in six sizes (6 mm, 10 mm, 13 mm, 15 mm, 20 mm and 25 mm). They are shipped in sterilised packs containing 2, 4 or 6 coverslips. The upper surface of the coverslips is slightly treated with UV light as a standard feature. This enhances the long-term attachment of the cell cultures.

Optionally, Countfix™ multiwell coverslips are also available with double-side activation.



PRODUCT RELEASE
 Countfix™

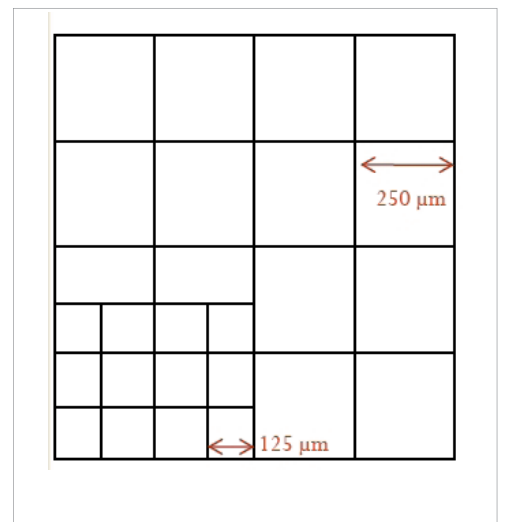
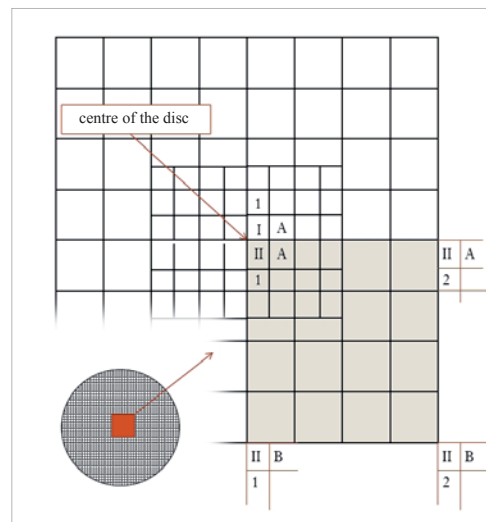
Counter grid design

GRID KEY

Grid key: I = top right, II = bottom right, III = bottom left, IV = top left

A/B/C = parallel horizontal lines running up and down to the centre of the disc

1, 2, 3 = parallel vertical lines running right and left to the centre of the disc



Technical features

- sterilised polystyrene coverslips for easy cell counting
- basic square micro-structure with a 4:3 photo-format grid and a number-letter-sequence for enhanced orientation
- 0.45 mm thick
- slightly activated on one side for better cell attachment and growth
- optional: double side surface treatment
- 6 sizes (6 mm, 10 mm, 13 mm, 15 mm, 20 mm, 25 mm)
- packaging options: 2, 4, 6 pcs.
- laboratory-tested





Countfix™ order numbers

I. Option: surface treatment on one side

OC.024CF30601 (• 06 mm)
OC.024CF31001 (• 10 mm)
OC.024CF31301 (• 13 mm)
OC.024CF31501 (• 15 mm)
OC.024CF32001 (• 20 mm)
OC.024CF32501 (• 25 mm)

II. Option: surface treatment on both sides

OC.024CF30602 (• 06 mm)
OC.024CF31002 (• 10 mm)
OC.024CF31302 (• 13 mm)
OC.024CF31502 (• 15 mm)
OC.024CF32002 (• 20 mm)
OC.024CF32502 (• 25 mm)

III. Pack units: 2, 4, 6

For further information and orders please contact:

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