

mikroglas®

Titerplates



mikroglas® titerplates are made of glass or glass-ceramic, and therefore offer many advantages over conventional titerplates made of plastic.

What are the advantages of mikroglas® titerplates?

- high optical transparency
- low internal fluorescence
- outstandingly good chemical resistance
- good electrical insulation effect
- temperature-resistance up to 400 °C.

mikroglas, in collaboration with the firm of Miele, supplies a cleaning and disinfection recommendation and the appropriate cleaning machine which guarantee that the **mikroglas®** titerplates are reusable, which is a very important ecological and economical advantage.

The plastic (PC) **mikroglas®** adapter (SBS standard) enables the **mikroglas®** titerplates to be used in all conventional liquid-handling robots.

How are mikroglas® titerplates produced?

Holeplates are made from photostructurable glass (FOTURAN®) by means of an anisotropical etching process. These are then joined to glass bottom plates either with

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adhesive or by a thermal diffusion bonding process. The glass and the process are chosen in accordance with the relevant requirements.

What are the dimensions of mikroglas® titerplates (SBS standard)?

well design: round or rectangular
no. of holes: 1536, 384 or 96 wells
well volumes: 5, 24, 30 or 96 µl
well depth: 2.5 mm
bottom plate thickness: 150 µm / 1mm
tolerances: ± 0.1 mm

What other variants of mikroglas® titerplates are possible (to special order)?

well design: round or rectangular, in any arrangement
well volumes: from 3 nl to 120 µl
well plate: transparent or opaque ceramic
well plate thickness: from 0.3 to 2.5 mm
bottom plates: Quartz glass, FOTURAN®, microscope slide glass, B270, etc.

Prices and delivery periods on request.



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