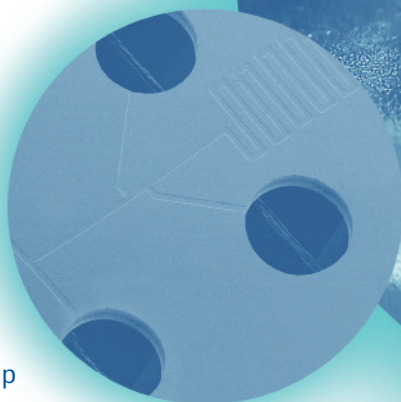


**Microtechnological glass products  
and components for use in**

# **Biotechnology**

## **mgt mikroglas technik AG**

develops and produces a wide range of components for use in biotechnology and medical engineering. FOTURAN®, the special glass that **mikroglas** uses in its production, has the property that it can be photo-structured, and this opens up numerous possible ways of manufacturing microtechnology components.



**Come and visit us at  
[www.mikroglas.com](http://www.mikroglas.com)**

## **What advantages do mikroglas' products offer in biotechnology?**

- high optical transparency
- great mechanical hardness
- outstandingly good chemical resistance
- good electrical insulation effect
- excellent dimensional stability
- temperature resistance up to 400 °C

## **What products does mikroglas develop and produce?**

### **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 / 1 mm
- tolerances: ± 0.1 mm
- other specifications to special order

**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 will be 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.

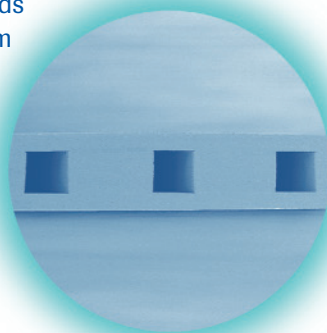
### **Lab-on-chip systems**

suitable for use in the fields of medical engineering, genomics, and proteomics

- isotrope channels with a typical depth of 10–20 µm
- anisotrope channels with widths of approx. 50 µm and depths of approx. 150 µm
- suitable for capillary electrophoresis
- can be filled with standard automatic machinery
- system variants can be developed for individual processes

### **Channel / nozzle systems for customer-specific applications**

- channel widths of 50 µm upwards and channel depths up to 150 µm
- suitable for applications in the fields of combinatorial chemistry, analysis, and electro-physiology
- adhesive-free connection technique
- system variants can be developed for individual processes



**We produce a wide diversity of components for biotechnology for your specific applications.**



**mikroglas**

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