

## LABSOLUTE® MICROSCOPE SLIDES MADE FROM SODA-LIME GLASS

LABSOLUTE® microscope slides made from soda-lime glass comply with DIN ISO 8037-1 and 8037-2. They come with CE mark and are manufactured in compliance with the 98/79 EC (IVD) Directive.

Microscope slides have a size of 76x26 mm and a thickness of about 1 mm. They are available with cut or ground edges, 90° or 45° corners, with or without frosted area for labelling and are packed in boxes of 50 pieces.



### Your advantages

- ✓ Microscope slides with cut edges are an economical alternative for routine application
- ✓ Microscope slides with ground edges are suitable for automated processing
- ✓ Expiry date and LOT number on every packing
- ✓ Simple labelling of the frosted area with a soft pencil

### Glass composition

Substance	Chemical formula	LABSOLUTE® w/w, %	Menzel w/w, %
Silicium dioxide	SiO <sub>2</sub>	72.5 ± 0.5	72.20
Sodium oxide	Na <sub>2</sub> O	13.5 ± 0.5	14.30
Potassium oxide	K <sub>2</sub> O	*)	1.20
Calcium oxide	CaO	0.1 ± 0.02	6.40
Magnesium oxide	MgO	4.0 ± 0.5	4.30
Aluminium oxide	Al <sub>2</sub> O <sub>3</sub>	1.0 ± 0.5	1.20
Iron oxide	Fe <sub>2</sub> O <sub>3</sub>	8.1 ± 0.5	0.03
Sulfur trioxide	SO <sub>3</sub>	0.2 ± 0.2	0.30

\*) The percentage of the potassium oxide is included in the content of the sodium oxide (LABSOLUTE® only).

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The general composition of our LABSOLUTE® microscope slides is comparable with that of Menzel. Due to the higher content of iron oxide LABSOLUTE® microscope slides have a higher green cast.

## Physical data

Description	LABSOLUTE®	Menzel
Refractive index ( $n_E$ , 546.07 nm)	1.52	
Thermal coefficient of expansion (20-300 °C)	$83.6 \pm 2 \cdot 10^{-7} \text{ K}^{-1}$	$90.6 \cdot 10^{-7} \text{ K}^{-1}$
Optical transmission	>90 %	
Specific heat	$770 \pm 5 \text{ J} \cdot \text{kg}^{-1} \cdot \text{K}^{-1}$	

## Labelling



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The boxes of the LABSOLUTE® microscope slides are fully printed (left picture). All pictograms are directly printed on the box. LOT number and expiry date is printed on every box and outer case. There is a colored stripe on the top of the box which has the same color as the frosted area of the microscope slides inside. Therefore it is very easy to identify the right product. There is an additional label on the outer cases (right picture).

## Product overview

Item no.	Edges	Corners	Frosted area	Pieces per pack
7 695 001	Cut	90°	No	50
7 695 002	Cut	90°	Yes	50
7 695 003	Ground	90°	Yes	50
7 695 004	Ground	45°	No	50
7 695 005	Cut	90°	White	50
7 695 006	Cut	90°	Blue	50
7 695 007	Cut	90°	Pink	50
7 695 008	Cut	90°	Yellow	50
7 695 009	Cut	90°	Green	50
7 695 012	Cut	45°	White	50
7 695 015	Ground	45°	Yellow	50
7 695 016	Ground	45°	Green	50
7 695 017	Ground	45°	Orange	50

Other models can be delivered upon request. Minimum order quantity is 500 packs.

We recommend some test samples in case of fluorescence microscopy, automated processing or other complex application problems to be 100 % sure whether LABSOLUTE® microscope slides are suitable for your application or not. Please ask your local Th. Geyer sales representative for assistance.

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