

Product Catalogue



Product Catalogue

Table of contents

Microscope Slides	page	1
Microscope Slides, non-fluorescent, water-white glass	page	1
StarFrost® Slides	page	2
StarFrost® Printer Slides	page	2
StarFrost® ADHESIVE Slides	page	3
StarFrost® ADVANCED ADHESIVE Slides	page	3
StarFrost® ADHESIVE-POLYCAT Slides	page	3
Diagnostic Microscope Slides with reaction cells	page	4
StarFrost® CYTO Slides	page	5
StarFrost® CONTROL Slides	page	5
StarFrost® VCE Slides	page	5
StarFrost® StarMark Slides	page	5
Microscope Slides with cavities	page	6
Cover Glass standard sizes	page	7
Cover Glass for coverslipping machines	page	8
Cover Glass circular	page	9
Haemocytometer-Cover Glass	page	10
Counting chambers	page	11
StarBox®	page	11
Special packing/glass - Microscope Slides	page	12
Special packing/glass - Cover Glass	page	13

Product Catalogue

- page 1 -

Microscope Slides

26 x 76 mm, thickness approx. 1.0 mm, in accordance with ISO 8037/1, soda-lime glass, cleanly washed and polished, ready to use, packed by 50 pieces in fibre free boxes and by 5,000 pieces in a stable shipping carton. All our products are available with CE/IVD marking (optional).

Item-number	Type
VA31100 001FKB	cut edges
VA31110 002FKB	cut edges / 20 mm twin frosted end
VA11200 003FKB	ground edges 45
VA11210 004FKB	ground edges 45 / 20 mm twin frosted end
VA11300 003FKB	ground edges 90
VA11310 004FKB	ground edges 90 / 20 mm twin frosted end
VA11400 005FKB	bevelled edges
VA11410 004FKB	bevelled edges / 20 mm twin frosted end

Objekträger

as above, but made of non-flourescent, water-white glass

Item-number	Type
VA21100 001FKB	cut edges
VA21110 002FKB	cut edges / 20 mm twin frosted end
VA21200 003FKB	ground edges 45
VA21210 004FKB	ground edges 45 / 20 mm twin frosted end
VA21300 003FKB	ground edges 90
VA21310 004FKB	ground edges 90 / 20 mm twin frosted end
VA21400 005FKB	bevelled edges
VA21410 004FKB	bevelled edges / 20 mm twin frosted end

Product Catalogue

- page 2 -

StarFrost® - Microscope Slides

26 x 76 mm, thickness approx. 1,0 mm, in accordance with ISO 8037/1, soda-lime glass, singleside, colour frosted marking area about 20 mm, **hydrophylic**, cleanly washed and polished, ready to use, packed by 50 pieces in fibre free boxes and by 5,000 pieces in a stable shipping carton.

Item-number	Type
VS1117# 076FKB	cut edges
VS1127# 077FKB	ground edges 45
VS1137# 077FKB	ground edges 90
VS1147# 077FKB	bevelled edges

StarFrost® - Printer Slides

Especially developed paint for ink-jet-printers. Leica IPS® and Sakura Auto-Write® approved!
 With clipped corners to minimize glass chips.
 Special print on the bottom of the slide to keep the rack levelled and avoiding scratches on the glass surface.

Item-number	Type
VS1157# 077FKB	ground edges 90 printer slides
VS1157# 077FKA	ground edges 90 printer slides, adhesive
VS1157# 077FKN	ground edges 90 printer slides, Advanced Adhesive
VS1157# 077FKC	ground edges 90 printer slides, Adhesive-Polycat

= StarFrost® - microscope slides are available in 6 different standard colours:

1 = white, 2 = yellow, 3 = pink, 4 = green, 5 = blue, 6 = orange

Product Catalogue

- page 3 -

StarFrost® - Microscope Slides ADHESIVE

26 x 76 mm, thickness approx. 1,0 mm, in accordance with ISO 8037/1, soda-lime glass, singleside, colour frosted marking area about 20 mm, **silan-coated**, cleanly washed and polished, ready to use, packed by 50 pieces in fibre free boxes and by 5,000 pieces in a stable shipping carton.

Item-number	Type
VS1117# 076FKA	cut edges
VS1127# 077FKA	ground edges 45
VS1137# 077FKA	ground edges 90
VS1147# 077FKA	bevelled edges

StarFrost® - Microscope Slides ADVANCED ADHESIVE

These coated slides were especially developed **for use in Immunohistochemistry (IHC)** and harsher applications. Strong tissue adherence, no tissue falling off issues anymore!
In addition the staining itself has been improved as well.

Item-number	Type
VS1117# 076FKN	cut edges
VS1127# 077FKN	ground edges 45
VS1137# 077FKN	ground edges 90
VS1147# 077FKN	bevelled edges

StarFrost® - Microscope Slides ADHESIVE-POLYCAT

26 x 76 mm, thickness approx. 1,0 mm, in accordance with ISO 8037/1, soda-lime glass, singleside, colour frosted marking area about 20 mm, **Poly-L-Lysine coated**, cleanly washed and polished, ready to use, packed by 50 pieces in fibre free boxes and by 5,000 pieces in a stable shipping carton.

Item-number	Type
VS1117# 076FKC	cut edges
VS1127# 077FKC	ground edges 45
VS1137# 077FKC	ground edges 90
VS1147# 077FKC	bevelled edges

= StarFrost® - microscope slides are available in 6 different standard colours:

1 = white, 2 = yellow, 3 = pink, 4 = green, 5 = blue, 6 = orange

Product Catalogue

- page 4 -

Diagnostic Slides

Diagnostic slides with different standard and customized masks. Hydrophobic epoxy or PTFE paint to avoid cross-contamination and increased microliter capacity.

The microscope slides provide a wettable (hydrophilic) well area, which enhances cell attachment and spreading capabilities while the mask retains its hydrophobic characteristics. Diagnostic slides are also available with our Standard Adhesive, Advanced Adhesive and Poly-L.Lysine coating.

Item-number	Type: ground edges 45
VG1121#...FKB	Epoxy coated (hydrophylic)
VG1121#...FKA	Epoxy-Adhesive (silan treated)
VG1121#...FKC	PTFE coated (hydrophylic)
VG1121#...FKD	PTFE-Adhesive (silan treated)

= Diagnostic - microscope slides are available in 5 different colours:
 1 = white, 2 = black, 3 = red, 4 = green, 5 = blue - other colours on request!

More than 100 different diagnostic slides as standard products available!

Product Catalogue

- page 5 -

Standardized Diagnostic Slides

StarFrost® - CYTO Slides

Specific slides with 1 or 2 printed rings, standard colour white, ground edges 90°, suitable for the use in centrifuges.

Item-number	Type
VN11371 247FKB	1 ring, uncoated (hydrophylic)
VN11371 247FKA	1 ring, adhesive (silan treated)
VN11371 249FKB	2 rings, uncoated (hydrophylic)
VN11371 249FKA	2 rings, adhesive (silan treated)

StarFrost® - CONTROL Slides

These slides have spaces for both the patient sample and the control material. The two samples can be separated by the red line, which is printed on the reverse side to allow for reagent movement. These slides are available with wettable or coated glass surface.

Item-number	Type
VN11571 221FKB	uncoated (hydrophylic)
VN11571 221FKA	adhesive (silan treated)
VN11571 221FKN	Advanced Adhesive

StarFrost® - VCE Slides

VCE cytology slide can be used to separate vaginal, cervical and endocervical smears. The slide is frosted and has three sections marked V, C and E. 100% wettable (hydrophilic) glass surface.

Item-number	Type
VN11211 035FKB	white, uncoated (hydrophylic)
VN11212 035FKB	black, uncoated (hydrophylic)

StarFrost® - StarMark Slides

Our etchable slides have a double layer of different, contrasting colors. Standard: white on top of black, other color combinations on request. Available with wettable or coated glass surface.

Item-number	Type
VN1137Z 107FKB	uncoated (hydrophylic)
VN1137Z 107FKA	adhesive (silan treated)
VN1137Z 107FKN	Advanced Adhesive

Product Catalogue

- page 6 -

Microscope Slides with cavities

26 x 76 mm, thickness approx. 1.2 - 1.5 mm, soda-lime glass, ground edges, with one or more cavities of approx. 15 - 18 mm diameter, appr. 0.6 - 0.8 mm deep, cleanly washed and polished, packed by 50 pieces in fibre free boxes and by 5,000 pieces in a stable shipping box

Item-number	Type
VV 151	with 1 cavity
VV 152	with 2 cavities
VV 153	with 3 cavities

Product Catalogue

- page 7 -

extra treated surface
to avoid sticking !

Cover Glass - Standard sizes -

Thickness #1 (i . e. 0,13 - 0,17 mm) borosilicate glass of hydrolytic class 1, precise cutting, in accordance with ISO 8255/1, without cords and blisters, packed by 100 pieces in boxes and by 1,000 pieces in cartons.

Item-number	Size
VD1 1515 Y100A	15 x 15 mm
VD1 1818 Y100A	18 x 18 mm
VD1 2020 Y100A	20 x 20 mm
VD1 2222 Y100A	22 x 22 mm
VD1 2424 Y100A	24 x 24 mm
VD1 1824 Y100A	18 x 24 mm
VD1 2126 Y100A	21 x 26 mm
VD1 2232 Y100A	22 x 32 mm
VD1 2240 Y100A	22 x 40 mm
VD1 2250 Y100A	22 x 50 mm
VD1 2260 Y100A	22 x 60 mm
VD1 2264 Y100A	22 x 64 mm
VD1 2432 Y100A	24 x 32 mm
VD1 2436 Y100A	24 x 36 mm
VD1 2438 Y100A	24 x 38 mm
VD1 2440 Y100A	24 x 40 mm
VD1 2446 Y100A	24 x 46 mm
VD1 2448 Y100A	24 x 48 mm
VD1 2450 Y100A	24 x 50 mm
VD1 2455 Y100A	24 x 55 mm
VD1 2460 Y100A	24 x 60 mm
VD1 2464 Y100A	24 x 64 mm
VD1 2465 Y100A	24 x 65 mm
VD1 2540 Y100A	25 x 40 mm
VD1 2550 Y100A	25 x 50 mm
VD1 2560 Y100A	25 x 60 mm

Other sizes are available custom-made!

Product Catalogue

- page 8 -

Cover glass for coverslipping machines

Automat – Star „green“ / #1,5

Thickness #1,5 (i . e. 0.16 - 0.19 mm) borosilicate glass of hydrolytic class 1, precise cutting, in accordance with ISO 8255/1, without cords and blisters, packed by 100 pieces in boxes and by 1,000 pieces in cartons.

Special treated surface to avoid sticking and for superior and faster separation of the slips.

Item-number	Size
VM5 2440 Y10GA	24 x 40 mm
VM5 2450 Y10GA	24 x 50 mm
VM5 2455 Y10GA	24 x 55 mm
VM5 2460 Y10GA	24 x 60 mm

Automat – Star „blue“ / #1

Thickness #1 (i . e. 0.13 - 0.17 mm) borosilicate glass of hydrolytic class 1, precise cutting, in accordance with ISO 8255/1, without cords and blisters, packed by 100 pieces in boxes and by 1,000 pieces in cartons.

Special treated surface to avoid sticking and for superior and faster separation of the slips.

Item-number	Size
VM1 2440 Y10BA	24 x 40 mm
VM1 2450 Y10BA	24 x 50 mm
VM1 2455 Y10BA	24 x 55 mm
VM1 2460 Y10BA	24 x 60 mm

Product Catalogue

- page 9 -

Cover glass circles

Thickness #1, (i . e. 0.13 - 0.17 mm) borosilicate glass of hydrolytic class 1, precise cutting, in accordance with ISO 8255/1, without cords and blisters, packed by 100 pieces in boxes and by 1,000 pieces in cartons.

Item-number	Size
VD1 00 .. Y100A	5 - 10 mm
VD1 00 .. Y100A	11 - 18 mm
VD1 00 .. Y100A	19 - 22 mm
VD1 00 .. Y100A	23 - 25 mm
VD1 00 .. Y100A	26 - 30 mm
VD1 0031 Y100A	- 31 mm
VD1 0032 Y100A	- 32 mm
VD1 0033 Y100A	- 33 mm
VD1 0035 Y100A	- 35 mm
VD1 0040 Y100A	- 40 mm
VD1 0045 Y100A	- 45 mm
VD1 0050 Y100A	- 50 mm

Other diameters and glass thickness available on request!

Product Catalogue

- page 10 -

Haemocytometer - Cover Glass

Thickness approx. 0.4 mm, with or without ground surfaces, packed by 10 pieces in plastic boxes (5 x 2 pieces in cellophane bag) and by 100 pieces in cartons

Quality A:

Item-number	Size
VHA 2026 4K	20 x 26 mm
VHA 2222 4K	22 x 22 mm
VHA 2424 4K	24 x 24 mm

Quality CE:*

(CE-marked / optically flat)

Item-number	Size
CHC 2026 4K	20 x 26 mm
CHC 2222 4K	22 x 22 mm
CHC 2424 4K	24 x 24 mm

Other sizes available on request!

* = commodities, not of own production

Product Catalogue

- page 11 -

Counting chambers with various line-systems*

For cell-counting, including 2 pieces of haemocytometer-cover glass, with or without clamps of metal, individually packed in plastic boxes, **CE-marked**.

Item-number	Chamber-Divisions	System	Clamps
CZ1 ...	single		
CZ2 ...	double		
CZ3 ...	single bright-line		
CZ4 ...	double bright-line		
CZ . BÜ .		Bürker	
CZ . BT .		Bürker-Türk	
CZ . FR .		Fuchs-Rosenthal **	
CZ . TH .		Thoma	
CZ . TN .		Thoma neu	
CZ . NE .		Neubauer	
CZ . NI .		Neubauer improved	
CZ . MA .		Mallassez **	
CZ ... O			without
CZ ... 1			with

** Prices on request!

Type

single chamber division
 double chamber division
 single chamber division / bright-line
 double chamber division / bright-line

Prices for all other line-systems available on request!

* = commodities, not of own production

StarBox®

For storage of approx. 1,700 embedded slides or histo-cassettes, 50 x 25 x 12.5 cm, weight: approx. 500 g, made of CFC-free polystyrene foam.

Item-number

VXSB

Product Catalogue

- page 12 -

Special packaging - Microscope Slides

Type of packaging

1,000-pieces or 1,440-pieces (10 gross) stable shipping carton
2,500-pieces stable shipping carton

tropical packaging for 1,000 pieces or for 1,440 pieces (10 gross)
tropical packaging for 2,500 pieces
tropical packaging for 5,000 pieces or for 5,760 pieces (40 gross)

box for 72 microscope slides, 2-pcs-box

Type of additional microscope packaging

by 50 pieces glass wrapped in cellophane
50-pcs-box wrapped in cellophane

Different thicknesses of glass - Microscope Slides

Thickness

0,80 - 1,00 mm
0,95 - 1,05 mm
1,00 - 1,20 mm
1,20 - 1,50 mm

Product Catalogue

- page 13 -

Special packaging - Cover Glass

Type of additional packaging

Box wrapped in cellophane or tropical packaging depending on the coverglass size for at least 50,000 pieces or 500 oz

Different thicknesses of glass - Cover Glass

thickness

thickness # 0	(0,08 - 0,12 mm)
thickness # 1	(0,13 - 0,17 mm)
thickness # 1,5	(0,16 - 0,19 mm)
thickness # 2	(0,19 - 0,23 mm)
thickness # 3	(0,28 - 0,32 mm)
thickness # 4	(0,38 - 0,42 mm)
thickness # 5	(0,50 - 0,60 mm)

Contact:

W. Knittel Glasbearbeitungs GmbH
Varrentrappstraße 3-5
38114 Braunschweig
Germany

Fon: +49 (0)531 / 59 000-0

Fax: +49 (0)531 / 59 000-36

E-mail: info@knittelglass.com

Web: www.knittelglass.com

