

Thermo Scientific
Microscope slides



Quality, Safety **Performance**

Microscope slides – washed and polished
for immediate use in a variety of applications

Thermo
SCIENTIFIC

The slide makes all the difference

Thermo Scientific™ slides are made of extra-white soda-lime glass, manufactured to the highest quality standards using the state-of-the-art technical facilities at our Swiss glassworks

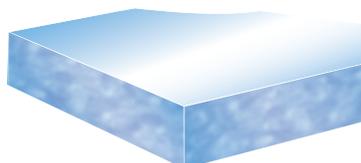
- Reduced iron content for low self-fluorescence
- Greenish shimmer minimized
- Guaranteed optimum, faultless transparency
- Clean, washed and polished for immediate use
- Ensures uniform blood smearing and easy wetting
- Ground edges to prevent accidental cuts
- Ground slides are safe for use in automated systems

Product characteristics

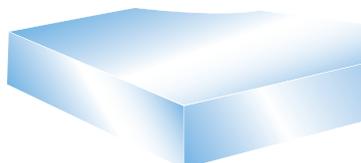
- Made of extra-white soda-lime glass with very low iron content
- Clean, flat and suitable for immediate use
- Manufactured in accordance with ISO 8037/1 dimensions: 26 x 76 x 1.0 mm (+0/-1.0mm) or BS7011. dimensions: 25.5 x 75.5mm (+0.5/-0.0 mm)
- Thickness tolerance ± 0.05 mm
- Planarity under 30 μ m measured over 60 mm length
- Optionally twin-frosted (20 mm)
- Other thicknesses available
- 0.6 to 0.8 mm 0.8 to 0.9 mm 1.0 to 1.2 mm
- 1.2 to 1.5 mm 1.5 to 1.8 mm 1.8 to 2.0 mm

Core item numbers	
Design	
Ground	AAAA000001##02E
Ground 45°	ABAA000001##02E
Ground 90°	AGAA000001##02E
Bevelled	ADAA000001##02E
Ground with frosted edge	AAAA000001##12E
Ground 45° with frosted edge	ABAA000001##12E
Ground 90° with frosted edge	AGAA000001##12E
Bevelled with frosted edge	ADAA000001##12E

Cut edges – an economical solution for routine applications.



Ground edges 90° – in combination with clipped corners is suitable for automatic equipment; the large surface simplifies picking up the slides with grippers.



The standard dimensions for ground 45° and beveled edges include clipped corners to prevent snagging or jamming, particularly when used in automated systems. This avoids glass breakages and costly delays. Clipped corners are optionally available for ground 90° edges and custom designs. Our slides are manufactured from top-class soda-lime-based raw materials to ensure that the extra-white glass meets the highest possible quality standards. Natural alterations may occur even if the slides are stored correctly. The expiration date of our 12-month warranty is therefore printed on each box. Tropical packaging (vacuum packing used to protect the glass against accelerated oxidation caused by moisture) is available to prevent climate-related damage to slides. This type of damage is particularly likely in high-humidity areas. This packing extends the shelf-life up to 15 months. "Glass in cellophane" and/or "box in cellophane" options are also available to provide added protection against external factors.

Optical properties of extra-white glass

Reflectance as second surface mirror: Total solar reflection (M=2) as the proportion of normally incident solar energy reflected from a second surface mirror when the solar elevation is 30° = 95.3%

Light transmission: Total solar reflection (M=2) as the proportion of normally incident solar energy transmitted when the solar elevation is 30° = 91.5%

Refractive index: At $\lambda = 546.07$ nm = 1.5171 Specific gravity = 2.479

Chemical properties of extra-white glass

Hydrolytic class 3

Chemical composition of extra-white glass							
SiO ₂	72.20 %	MgO	4.30 %	Na ₂ O	14.30 %	Al ₂ O ₃	1.20 %
K ₂ O	1.20 %	Fe ₂ O ₃	0.03 %	CaO	6.40 %	SO ₃	0.30 %

Ground 45° edges – ensures uniform blood smearing as the slide can be placed immediately at the correct angle. Standard size comes with clipped edges as standard.



Bevelled edges – ensures uniform blood smearing thanks to ground 45° edges along the narrow sides. Chamfered long sides; standard size comes with clipped edges as standard.



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Slides & Specialty Glass

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