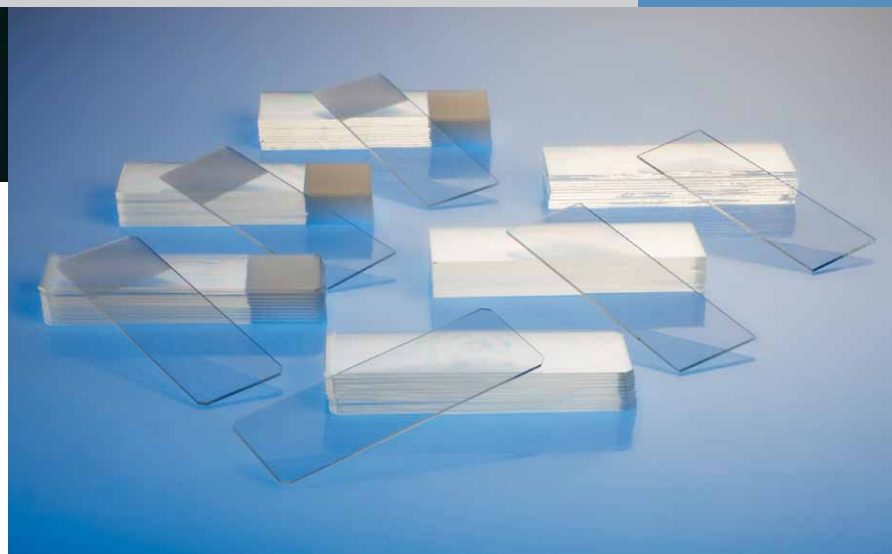


The Thermo Scientific brand represents the most experience, the highest available quality and most complete range of slide and cover glass products.

Thermo Scientific microscope slides are subject to continuous quality controls and produced from extra white glass.

Thermo Scientific Microscope Slides



As a standard, our microscope slides are available in various edge finishes.



Thermo Scientific microscope slides are made of extra white soda-lime glass. Our slides have an enormous scale of possible applications.

These include:

- Routine microscopy tests
- Pathological, histological and cytological laboratories
- Immunofluorescence analysis
- Genetic assays
- Automated equipment.

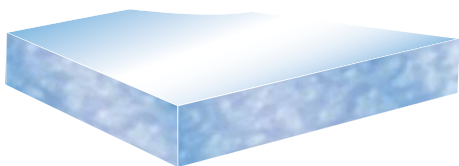
Our microscope slides have super optical and technical characteristics. Due to the low iron content, the self-fluorescence is extremely low.

The greenish shimmer is minimized and ensures a faultless transparency, which is a decisive factor in microscopy. The production process used in the making of our slides is fully automated and underlies constant quality controls. The quality proven slides are clean, have a smooth surface and are ready for immediate use. Easy wetting and application of even smears are guaranteed. As a standard, our microscope slides are available with cut edges and three different ground edge finishes: ground 90°, ground 45° and bevelled edges. These ground edge finishes serve as a safety precaution in and highly minimize the danger of cuts and infections in laboratories where potentially infectious materials are used.

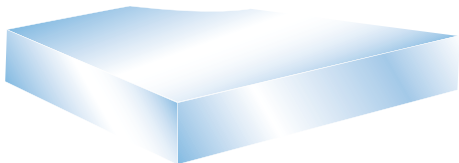
Thermo Scientific Microscope Slides

The ground 45° and bevelled edge finish slides also have clipped corners making them highly suitable for automated equipment as they avoid sticking or breaking therefore costs-intensive delays can be avoided. The ground 90° edge finish and most custom made slides are also available with clipped corners as an option.

Cut edges – economical solution for routine applications; slight risk of breakage in automatic equipment



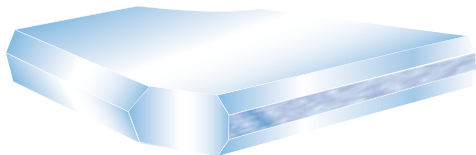
Ground edges 90° – in combination with clipped corners is suitable for automatic equipment; the large surface simplifies picking up the slides with grippers



Ground edges 45° – highly suitable for automatic equipment. The 45° angle provides a smooth and even spread for manual or automated blood smearing; standard size comes with clipped corners as a standard



Bevelled edges – 45° ground edges of the narrow side insures a smooth and even smear; chamfered long side; standard size comes with clipped corners as a standard



Our microscope slides are available with an optional 20 mm single or double frosted area. The fine porous frosting makes labelling effortless. Custom made frostings are available on request.

In order to provide first class extra white glass quality, our microscope slides are made of soda-lime based raw material. Due to the composition of this glass, the alkali parts can, under the influence of humidity, lead to an alteration of the glass surface. Even under correct storage conditions the surface of the soda-lime glass may be subject to a natural alteration. Therefore we provide a 12 month warranty. The best before date is printed on each package.

Tropical packing is available to protect the slides from negative climatic conditions, especially in areas with a high humidity. The shipping unit is vacuum packed; the glass is protected from moisture and accelerated oxidation. Additional protection provides the optional special packing „glass in cellophane“ and/ or „box in cellophane“.

The standard sizes of our microscope slides are 26 x 76 x 1.0 mm according to ISO 8037/1 or BS 7011. The tolerance of the thickness is +/-0.05 mm.

Other thicknesses:

0.6 – 0.8 mm	0.8 – 0.9 mm	1.0 – 1.2 mm
1.2 – 1.5 mm	1.5 – 1.8 mm	1.8 – 2.0 mm

Microscope slides are available in custom made dimensions on request, also with the different edge and surface treatments.

Optical properties of extra white glass:

Reflectance second surface mirror:

Total solar reflection (M = 2)

Proportion of normally incident solar energy reflected from a second surface mirror when solar elevation is 30° = 95.3 %

Light transmission:

Total solar transmission (M = 2)

Proportion of normally incident solar energy transmitted when solar elevation is 30° = 91.5 %

Refractive index:

$\lambda = 546.07 \text{ nm} = 1.5171$

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 %



ISO 9001
QMI-SAI Global

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