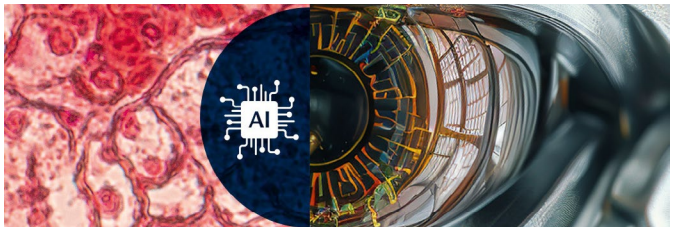
D 263® M

Setting the benchmark for automated coverslipping

Engineered for the future of microscopy, SCHOTT D 263® M meets the rigorous demands of modern automated coverslipping systems. The premium borosilicate glass offers unmatched performance in microscopic preparation, setting new standards for high-throughput laboratory environments.

- **Non-sticky coating**
- **Exceptional flatness**
- **High bending strength**
- **Superior scratch resistance**
- **Long-term durability**
- **Haze-free imaging**
- **Low auto-fluorescence**



Engineered for AI-driven automation
The quality of primary data is crucial for the success of AI-supported analysis systems. The highly crystalline composition of D 263® M reduces signal interference and background anomalies, providing clean, unbiased data for AI algorithms. This enhancement allows for more robust data interpretation and bolsters the accuracy of automated analyses, thereby elevating laboratory productivity.

ISO 8255-1 compliant
D 263® M ensures a consistent thickness, crucial for precise, error-free operation of automated coverslippers. The uniform light refraction of the cover glass and its low light scattering further reduce optical distortion. These properties make D 263® M exceptionally reliable and efficient in various laboratory applications, particularly in high-resolution microscopy.

SCHOTT
glass made of ideas

SCHOTT D 263® M

Technical advantages for automated coverslipping

SCHOTT D 263® M is a first-class cover glass for modern laboratories that rely on automated coverslip systems. Its unique combination of chemical and optical properties ensures that D 263® M is ready for immediate use in automated coverslipping and streamlines the entire application process, facilitating precise, reliable, and efficient microscopic sample preparation.

Dimensional precision and reliability
SCHOTT D 263® M cover glass is characterized by its dimensional accuracy, ensuring stable process, which is crucial for maintaining a fast-paced laboratory operation.

Enhanced safety and throughput
The robust design of D 263® M provides high bending strength, significantly reducing the risk and downtime associated with glass breakages. These properties not only enhance the safety of laboratory personnel but also ensure consistent throughput.

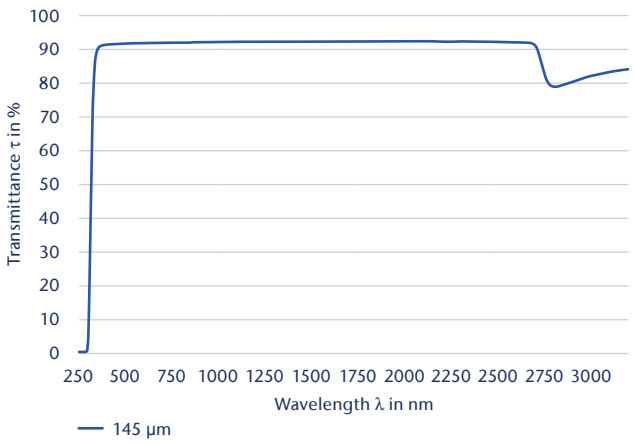
Improved laboratory operations
Featuring a non-sticking coated layer and resistance to aging, D 263® M supports a stable and efficient automated coverslipping process. Its long lasting durability and performance provide reliable results, even after extended storage periods, making an invaluable asset for precise pathological research.

High-quality imaging
D 263® M stands for its superior luminous transmittance and minimal autofluorescence, enabling high-quality imaging without color distortions. These characteristics are essential for accurate diagnostics and high-resolution microscopy, supporting critical scientific research and analysis.

Chemical properties		
Hydrolytic resistance (acc. to DIN ISO 719)	Class	HGB 1
Acid resistance (acc. to DIN 12116)	Class	S 3
Alkali resistance (acc. to DIN ISO 695)	Class	A 2

Parameter	ISO 8255-1 Requirement	SCHOTT D263® M
Refractive index (n_e)	1.5255 ± 0.0015	1.5255 ± 0.0015
Abbe-Value (v_e)	56 (± 2)	55.0
Thickness (mm)	0.17 (No. 1) (+ 0; – 0.04)	0.145 ± 0.015

Transmission



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