



**Thermo Scientific**  
Coverslips



# Genuine **transparency**

Ideal cover material for medicine, biology and research examinations

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# Archiving for eternity

Thermo Scientific™ coverslips are ideally suited as cover material for specimens in microscopic examinations in medicine, biology and research.

- Highly transparent and achromatic – practically free of any color distortion
- High optical homogeneity – practically free of inclusions, streaks, bubbles etc.
- High spectral transmission
- Good planarity
- Very good chemical stability
- Refraction index adjusted for microscopes
- Low production tolerances possible

## Product properties

- Manufactured from D 263 M borosilicate glass from Schott AG

## Optical properties of D 263 M

- Refraction indices (as delivered)
- $n_D$  ( $\lambda = 546.1\text{nm}$ ):  $1.5255 \pm 0.0015$
- $n_D$  ( $\lambda = 589.3\text{ nm}$ ):  $1.5230$
- Abbe number  $v_D$ : 55
- The light transmittance for glass thickness of 0.15mm  $\tau_{VD65}$  in % ( $d=0.15\text{mm}$ ) =  $91.7 \pm 0.3\%$ .
- D 263 M is free of absorption in the visible spectral range. Due to UV absorption, D 263 M is also suitable for fluorescence microscopy.



## Chemical properties of D 263 M

- Hydrolytic stability in accordance with DIN ISO 719
- Hydrolytic class: HGB 1
- Base equivalent as Na<sub>2</sub>O per glass grain in  $\mu\text{g/g}$ : 20
- Acid stability in accordance with DIN ISO 12 116



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Slides & Specialty Glass

Thermo Fisher Scientific  
Gerhard Menzel B.V. & Co. KG  
Saarbrückener Straße 248  
38116 Braunschweig, Germany

Standard dimensions			
<b>Square</b>			
15 x 15 mm	BBAD01500150#A*	22 x 22 mm	BBAD02200220#A*
18 x 18 mm	BBAD01800180#A*	24 x 24 mm	BBAD02400240#A*
20 x 20 mm	BBAD02000200#A*		
<b>Rectangular</b>			
18 x 24 mm	BBAD01800240#A*	24 x 36 mm	BBAD02400360#A*
21 x 26 mm	BBAD02100260#A*	24 x 40 mm	BBAD02400400#A*
22 x 32 mm	BBAD02200320#A*	24 x 50 mm	BBAD02400500#A*
22 x 40 mm	BBAD02200400#A*	24 x 60 mm	BBAD02400600#A*
22 x 50 mm	BBAD02200500#A*	25 x 40 mm	BBAD02500500#A*
22 x 60 mm	BBAD02200600#A*	25 x 50 mm	BBAD02500500#A*
24 x 32 mm	BBAD02400320#A*	25 x 60 mm	BBAD02500600#A*
<b>Standard</b>		<b>Special thickness</b>	
* 0 = Nr. 0	(0,08 – 0,12 mm)	* B = Nr. 00	(0,06 – 0,08 mm)
* 1 = Nr. 1	(0,13 – 0,16 mm)	* 3 = Nr. 3	(0,28 – 0,32 mm)
* C = Nr. 1,5	(0,16 – 0,19 mm)	* 4 = Nr. 4	(0,38 – 0,42 mm)
* 2 = Nr. 2	(0,19 – 0,23 mm)	* 5 = Nr. 5	(0,50 – 0,60 mm)
<b>Special coverslips for the Shandon coverslipper</b>		<b>For other coverslipppers</b>	
24 x 40 mm # 1	BBAD02400400#S1	24 x 40 mm # 1	BBAD02400400#M1
24 x 50 mm # 1	BBAD02400500#S1	24 x 50 mm # 1	BBAD02400500#M1
24 x 60 mm # 1	BBAD02400600#S1	24 x 60 mm # 1	BBAD02400600#M1
24 x 40 mm # 1,5	BBAD02400400#SC		
24 x 50 mm # 1,5	BBAD02400500#SC		
24 x 60 mm # 1,5	BBAD02400600#SC		

Round coverslips, 5 to 50 mm in diameter, in different thicknesses and with hemocytometer upon request.

- Acid class: S2
- Half surface weight loss after 6h in  $\text{mg}/\text{dm}^2$ : 1.4
- Alkaline stability in accordance with DIN ISO 695
- Alkali class: A2
- Surface weight loss after 3h in  $\text{mg}/\text{dm}^2$ : 88

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