



זכויות מכסה של חברת MARIENFELD

חברת Marienfeld יצאה עם זכויות מכסה בעובי מיוחד של 0.17 ± 0.005 מ"מ ($170 \pm 5 \mu\text{m}$), בהתאם לדרישת יצרניות המיקרוסקופים הקונפוקלים (צייס, אולימפוס, ניקון, לייקה ועוד)

Modern high-performance microscope objectives are designed to be used with cover glasses of a thickness of $170 \mu\text{m}$. The quality of the cover glass, in particular the compliance with the nominal thickness, has thereby a crucial impact on the imaging quality. Variations of thickness reduce the image contrast and result in image defects, most notably in spherical aberration. We produce high-precision cover glasses with thickness No. 1.5H featuring an exceptionally accurate thickness of $170 \mu\text{m} \pm 5 \mu\text{m}$. This new generation of cover glasses are highly recommended for objectives with high numerical aperture and high resolution

The **coverslip thickness** is the least expensive optical component and the most likely to be carelessly chosen. It should be 170 ± 5 micrometers in thickness. James B.Powley. Bio Techniques, Vol 28, 884 (2000).

Manufacture Part No.	De-Groot Purchase #	Description
0107032	5-CGP1818	Glass # 1.5H 18x18mm
0107052	5-CGP2222	Glass # 1.5H 22x22mm
0107222	5-CGP2450	Glass # 1.5H 24x50mm
0107242	5-CGP2460	Glass # 1.5H 24x60mm
0117500	5-CGP10	Glass # 1.5H Ø 10mm
0117520	5-CGP12	Glass # 1.5H Ø 12mm
0117530	5-CGP13	Glass # 1.5H Ø 13mm
0117580	5-CGP18	Glass # 1.5H Ø 18mm
0117640	5-CGP24	Glass # 1.5H Ø 24mm
0117650	5-CGP25	Glass # 1.5H Ø 25mm

