

MARIENFELD SUPERIOR (Germany)

Information on Cover glasses

Our cover glasses are manufactured of pure white, perfectly clear and chemically resistant borosilicate glass of the first hydrolytic class. They meet all requirements of the DIN ISO 8255-1 standard. Due to its low contents of alkali metals this borosilicate glass is suited brilliantly as a substrate for cell culture. The refractive index n_e (546.07 nm) is between 1.514 and 1.527 and its Abbe coefficient is $v_e = 55$. This material does neither weather nor become cloudy. No other cover glass made of soda-lime glass equals the quality of our borosilicate glass cover slips.

Due to usage of only the best material our cover glasses possess a very good flatness and smooth surfaces. Our accurate machining processes make sure that our ready for use cover slips have the exact size, a high quality of the cut edges and are excellently suited for application in automated coverslippers. By using efficient processes and stringent quality controls we make sure no cover glasses will be packed sticking together or broken.

Cover glasses are mostly used for in-vitro diagnostic analyses. Therefore, they are labelled with CE mark and lot number to allow the traceability of particular production lots.