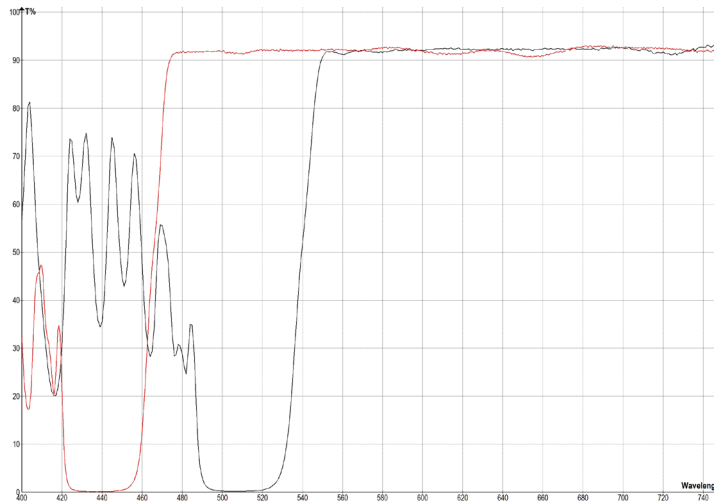


Standard Beam Splitters

Ferroperm Optics offer a range of standard beam splitters. These beam splitters are often used in multi-wavelength channel biomedical analyzers and offer a competitive and simple way for our customers to reduce the size and the mechanical complexity of the optical module. The main purpose is to separate or select one wavelength channel from the rest by reflection at 45° AOI. The basic version is coated on high-quality float glass (with a thickness of 1.1 mm) using our own plasma-assisted hard coating technology

that provides good batch uniformity and very low coating stress. Even without an AR-coating the beam splitters have a transmission of more than 87% and a reflection higher than 95% at the wavelength selected. The size is customizable, but we stock a standard size of 11x11 mm. This size works well with our large selection of 6x6 mm or diameter 10 mm bandpass filters and allows a compact optical module with excellent performance.



Two standard beam splitters designed to separate a 10 nm wide bandpass filter at 450 nm or 520 nm respectively from the BP-filters at higher wavelengths. The beam splitters are measured at 45° AOI with random polarized light.

FERROPERM
OPTICS A/S