Filter for cerebrovascular fluorescence with fluorescein

FL560 FLUORESCENCE IMAGING

Fluorescence filter for ARveo or M530 OH6 microscopes

U.S. Brochure Version
Real-time, simultaneous visualization of cerebral anatomy and cerebrovascular blood flow with fluorescein supports your surgical decisions.

Assessing cerebral anatomy and vascular flow, particularly in small vessels and the areas they perfuse, can be challenging under white light or near-infrared ICG fluorescence. The FL560 fluorescence module, used with fluorescein, allows you to simultaneously view anatomical structures and real-time cerebrovascular blood flow, clearly differentiated and with high contrast.

About FL560
FL560 fluorescence is a microscope filter for viewing cerebrovascular fluorescence in conjunction with fluorescein. A fluorescein procedure kit and instructions are available from Leica Microsystems, giving you confidence that your formulation, dosage and administration are correctly optimized for the FL560 filter.

One simultaneous view
The FL560 filter was designed to effectively separate fluorescence excitation light and the observation spectrum. This is then combined with the premium optics and illumination of the microscope. The result is one complete, high-resolution, and high-contrast image for crisp anatomical view and clearly delineated vascular flow even in tiny vessels.

Simplify your workflow
With a simultaneous view of anatomy and real-time fluorescence, you no longer need to switch back and forth between modes during surgery. Simply activate FL560 mode with a touch of the handgrip or footswitch thanks to full integration with your ARveo or M530 OH6 microscope.
Recording and display made easy
Share the view with your team in the OR via HD or 3D monitor and record in HD or 3D for later presentation and teaching. Start recording with the touch of a button. Mode Control technology from Leica Microsystems automatically activates the correct video display and recording settings that have been optimized for fluorescence and white light modes.

Full integration today or tomorrow
The FL560 module can be seamlessly integrated into your M530 OH6 and ARveo microscopes at any time, thanks to our OpenArchitecture design. The M530 OH6 was also the first surgical microscope to be offered with TriFluoro. This gives you the flexibility to have up to three modes of fluorescence (FL560, FL400, FL800) in a single microscope.
TECHNICAL DATA

Fluorescence excitation | Peak of ~460 – ~500 nm (blue light)
Fluorescence signal    | Emission observation comprising green, yellow and red spectral band ≥ 510 nm
Recommended fluorophore| AK-FLUOR 10% Fluorescein Injection, USP, 100 mg/ml, 5 mL sterile vial, NDC 17478-253-10, provided in FL560 Procedure Kit

Contact your local Leica representative for availability information.

Images courtesy of Prof. Dr. Cleopatra Charalampaki, Department of Neurosurgery, Cologne Medical Center, Germany and Prof. Dr. Hab. N. Med Marek Harat 10th Military Clinical Hospital, Bydgoszcz, Poland

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