

High-NA Endoscopic Imaging Objective now available as achromatic version

GRINTECH's high-NA Endoscopic Imaging Objectives with object Numerical Apertures of 0.8 are now offered in an achromate version for applications where a wavelength depending focal shift between the excitation and detection is a problem and needs to be corrected.

Applications:

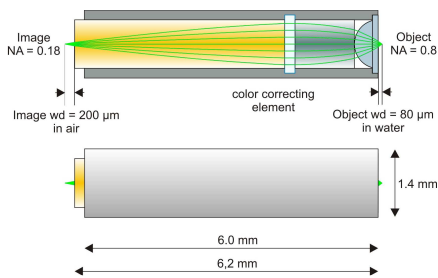
In vivo endomicroscopy, **fluorescence microscopy**, tissue imaging, flexible fluorescence microscopy, NA conversion

New Product Code:

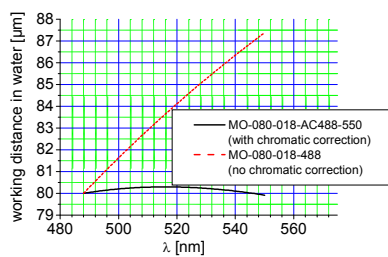
GT-MO-080-018-AC488-550

Features

- Object NA = 0.80
- Object working distance 80 μm (water)
- Image NA = 0.18
- Magnification 4.65 x
- Recommended Excitation 488 nm
- Mounted in stainless steel holder
- Color correction for 488 and 550 nm



Chromatic Aberration in Object Space

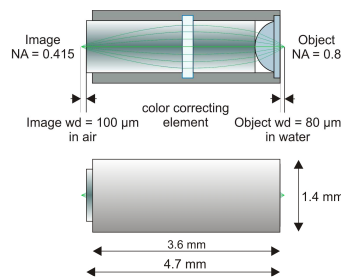


New Product Code:

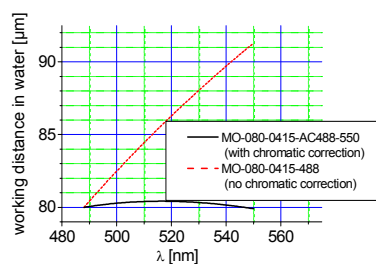
GT-MO-080-0415-AC488-550

Features

- Object NA = 0.80
- Object working distance 80 μm (water)
- Image NA = 0.50
- Magnification 1.70 x
- Recommended Excitation 488 nm
- Mounted in stainless steel holder
- Color correction for 488 and 550 nm



Chromatic Aberration in Object Space



Applications:

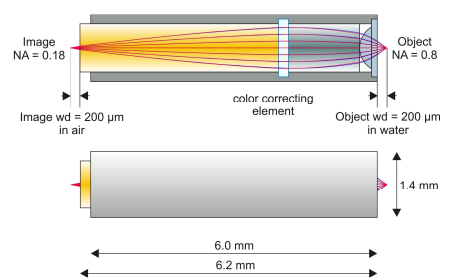
In vivo endomicroscopy, **2-photon endomicroscopy**, deep brain and tissue imaging, flexible fluorescence microscopy

New Product Code:

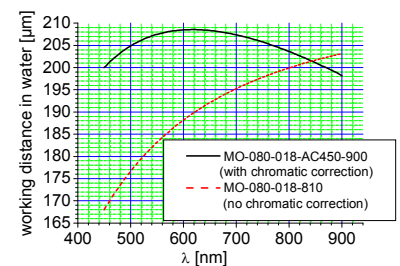
GT-MO-080-018-AC900-450

Features

- Object NA = 0.80
- Object working distance 200 μm (water)
- Image NA = 0.175
- Magnification 4.76 x
- Recommended Excitation 800 - 900 nm
- Mounted in stainless steel holder
- Color correction for 900 and 450 nm



Chromatic Aberration in Object Space



Variations due to modifications of the production process are possible. It is the user's responsibility to determine suitability for the user's purpose.

Pat. US 7,511,891

Revision 12/2016