

## High-NA Endoscopic Imaging Objectiv as Achromatic Version

GRINTECH's high-NA Endoscopic Imaging Objectives with object Numerical Apertures of 0.8 are 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:

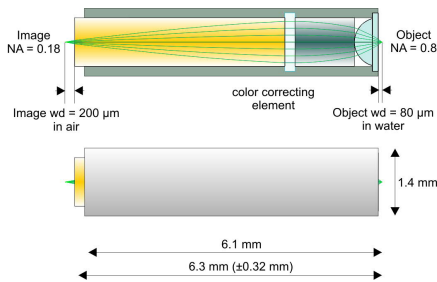
In vivo endomicroscopy, **fluorescence microscopy**, tissue imaging, flexible fluorescence microscopy, NA conversion

### Product Code:

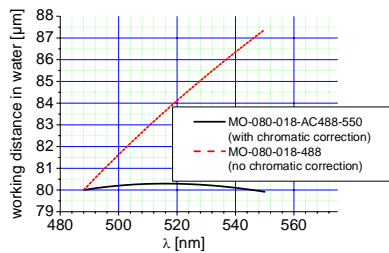
GT-MO-080-018-AC488-550

### Features

- Object NA = 0.80
- Object working distance 80  $\mu\text{m}$  (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

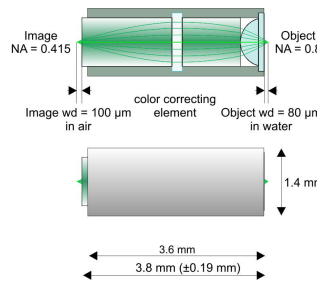


### Product Code:

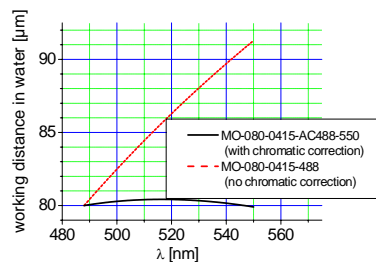
GT-MO-080-0415- AC488-550

### Features

- Object NA = 0.80
- Object working distance 80  $\mu\text{m}$  (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:

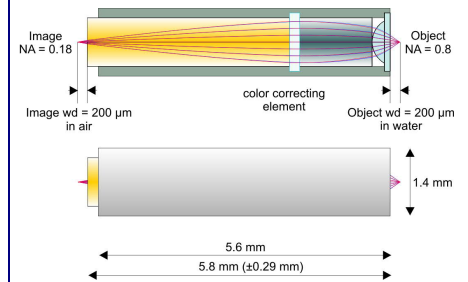
In vivo endomicroscopy, **2-photon endomicroscopy**, deep brain and tissue imaging, flexible fluorescence microscopy

### Product Code:

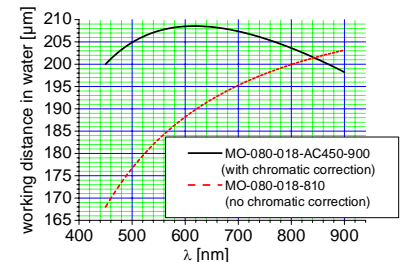
GT-MO-080-018- AC900-450

### Features

- Object NA = 0.80
- Object working distance 200  $\mu\text{m}$  (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.

For tolerances, handling and storage see page 22

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