Objectives

Carl Zeiss Objectives Information

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Objectives Text Search

Objectives

Objective "Fluar"

10x/0.50

440135-0000-000

Magnification

10x

Numerical Aperture

0.5

Working Distance [mm]

1.9

Coverglass Thickness [mm]

0.17

Thread Type

W0.8x1/36"

Immersion

Without Immersion

Field of View [mm]

23

Parfocal Length [mm]

45.06

Long Distance [LD]

Correlation Ring [Korr]

Iris [Iris]

Optical System

Flatness

Color Correction

Biomedical Applications

Fluorescence

- Multichannel
- Ultraviolet Transmission
- Infra Red Transmission

BrightField [H]

Differential Interference Contrast [DIC]

High Contrast DIC [HC DIC]

Polarization-OpticalDIC [PlasDIC]

Phase Contrast [PH]

VARE Contrast

Hoffman Modulation Contrast [HMC]

Polarization Contrast [POL]

Materials- (Reflected Light) Applications

BrightField [H]

BrightField/DarkField [HD]

Reflecting Light DIC [RL DIC]

High Contrast DIC [HC DIC]

Circular polarized light DIC [C-DIC]

Total Interference Contrast [TIC]

Polarization Contrast [POL]

Recommended for:

Confocal Microscopy

- Ultra Violet
- VIS (visible light)

NLO-IR / 2 Photon

Total Internal Reflection Fluorescence [TIRF]

ApoTome

Microdissection

Objective Class:

Fluar

Widest apertures, high transmission already from 340nm

Mechanical Dimensions

Infinity-Color-Corrected System (ICS)

All measures in [mm]

Mech. Arbeitsabstand = mechanical working distance

Deckglas = cover glass

Objektebene = object plane

Objektfeld = object field

Ausleuchtung = illumination

Probenzugänglichkeit = specimen accessibility

Transmittance curve

Please note that due to production tolerances, the given values are typical only and not guaranteed.
Note
The recommended adapter M27x0.75 / W0.8 H"0" does only fit with objectives, that have a [1] printed behind the order number 440135.

Fitting Accessories for
440135-0000-000 Objective "Fluar" 10x/0.50

DIC slider
DIC slider Fluar 10x/0.50 II
Condensor prism type II
426942-0000-000 → Picture

Other Accessories
Adapter M 27x0.75 / W 0.8 H "0"
000000-1095-168 → Picture

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