

Biopolis Dresden Imaging Platform

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Light Microscopes

MPI-CBG CZ7 - Zeiss LSM 880 Airy upright (Zeiss)



Category:

Confocal, Single Photon

Location:

LMF MPI-CBG, MPI-CBG, room 038A

Stand:

Zeiss Axio Imager.Z1, upright stand

Fluorescence Illumination:

HXP 120W, 405nm, 458, 488, 514nm
multiline, 561nm, 594nm, 633nm

[more info](#)

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MPI-CBG CZ7 - Zeiss LSM 880 Airy upright (Zeiss)



EQUIPMENT



PUBLICATIONS



FAQ

Zeiss LSM 880 upright single photon point scanning confocal system with Quasar detector (32 spectral detection channels in the GaAsP detector plus 2PMTs) and transmitted light detector. Airy scan detector for high resolution imaging. Motorized stage for multi-point acquisition.

[booking system](#)

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▷ **Category**
Confocal, Single Photon

▷ **Location**
LMF MPI-CBG, MPI-CBG, room 038A

▷ **Suitable for specimen**

[Link zu Campus Navigator](#)

Category

Conrocal, Single Photon

Link zu Campus Navigator

Location

LMF MPI-CBG, [MPI-CBG](#), room 038A

Suitable for Specimen

fixed samples

Suitable for Technique

FRAP

Microscope Stand

Zeiss Axio Imager.Z1, upright stand

Objectives

Zeiss Plan-Apochromat 10x/0.45

Zeiss W Plan-Apochromat 20x/0.5

Zeiss Plan-Apochromat 20x/0.8

Immersion:	Air
Coverslip Thickness:	0.17 mm
Working Distance:	0.55
Thread:	M27
Tube Length:	∞
Zeiss Order Number:	420650-9901

Zeiss Plan-Neofluar 25x/0.8

Zeiss LCI Plan-Apochromat 25x/0.8

Zeiss W Plan-Apochromat 40x/1.0

Zeiss C Apochromat 40x/1.2

Zeiss LCI Plan-Neofluar 63x/1.3

Zeiss Plan-Apochromat 63x/1.4

Condenser

H/DIC, Ph1, Ph2, Ph3, DF, DIC I, DIC II, DIC III

Fluorescence Filter Cubes

DAPI

GFP (Zeiss FS 38 HE, set 489038-9901-000)
 single cube for Alexa 488/GFP, CFP, FITC
[BP 470/40 HE](#) (BP 450-490), excitation filter, bandpass, Zeiss
[LP 495](#), dichromatic mirror, longpass filter, Zeiss
[BP 525/50](#) (BP 500-550), emission filter, bandpass, Zeiss

Alexa 546

Reihenfolge

Immersion:	Air
Collar:	coverslip correction
Coverslip Thickness:	0.17 mm
Working Distance:	0.55
Nomarski Prism:	...
Thread:	M27
Tube Length:	∞
Zeiss Order Number:	420660-9970
Inventory Number:	...

DB Feld filter manufacturer ID fehlt noch

- ▷ **Category** Confocal, Single Photon
- ▷ **Location** LMF MPI-CBG, [MPI-CBG](#), room 038A
- ▶ **Suitable for Specimen** fixed samples
- ▶ **Suitable for Technique** FRAP
- ▷ **Microscope Stand** Zeiss Axio Imager.Z1, upright stand

Link zu Campus Navigator

▶ **Objectives**

- ▶ Zeiss **Plan-Apochromat 10x/0.45**
- ▶ Zeiss **W Plan-Apochromat 20x/0.5**
- ▶ Zeiss **Plan-Apochromat 20x/0.8**
 - Coverslip Thickness:** 0.17 mm
 - Working Distance:** 0.55
 - Thread:** M27
 - Tube Length:** ∞
 - Zeiss Order Number:** 420650-9901
- ▶ Zeiss **Plan-Neofluar 25x/0.8**
- ▶ Zeiss **LCI Plan-Apochromat 25x/0.8**
- ▶ Zeiss **W Plan-Apochromat 40x/1.0**
- ▶ Zeiss **C Apochromat 40x/1.2**
- ▶ Zeiss **LCI Plan-Neofluar 63x/1.3**
- ▶ Zeiss **Plan-Apochromat 63x/1.4**

Reihenfolge

- Collar:** coverslip correction
- Coverslip Thickness:** 0.17 mm
- Working Distance:** 0.55
- Nomarski Prism:** ...
- Thread:** M27
- Tube Length:** ∞
- Zeiss Order Number:** 420660-9970
- Inventory Number:** ...

▶ **Condenser**

H/DIC, Ph1, Ph2, Ph3, DF, DIC I, DIC II, DIC III

▶ **Fluorescence Filter Cubes**

- ▶ DAPI
- ▶ GFP (Zeiss FS 38 HE, set 489038-9901-000)
 - single cube for Alexa 488/GFP, CFP, FITC
 - [BP 470/40 HE](#) (BP 450-490) excitation filter, bandpass, Zeiss
 - [LP 495](#) dichromatic mirror, longpass filter, Zeiss
 - [BP 525/50](#) (BP 500-550) emission filter, bandpass, Zeiss
- ▶ Alexa 546

DB Feld filter manufacturer ID fehlt noch

<ul style="list-style-type: none"> ▷ Category ▷ Location ▶ Suitable for Specimen ▶ Suitable for Technique ▷ Microscope Stand ▶ Objectives 	<p>Confocal, Single Photon</p> <p>LMF MPI-CBG, MPI-CBG, room 038A</p> <p>fixed samples</p> <p>FRAP</p> <p>Zeiss Axio Imager.Z1, upright stand</p> <ul style="list-style-type: none"> ▶ Zeiss Plan-Apochromat 10x/0.45 ▶ Zeiss W Plan-Apochromat 20x/0.5 ▼ Zeiss Plan-Apochromat 20x/0.8 <p>Coverslip Thickness: 0.17 mm Working Distance: 0.55 Thread: M27 Tube Length: ∞ Zeiss Order Number: 420650-9901</p> <ul style="list-style-type: none"> ▶ Zeiss Plan-Neofluar 25x/0.8 ▶ Zeiss LCI Plan-Apochromat 25x/0.8 ▶ Zeiss W Plan-Apochromat 40x/1.0 ▶ Zeiss C Apochromat 40x/1.2 ▶ Zeiss LCI Plan-Neofluar 63x/1.3 ▶ Zeiss Plan-Apochromat 63x/1.4
<ul style="list-style-type: none"> ▶ Condenser ▶ Fluorescence Filter Cubes 	<p>H/DIC, Ph1, Ph2, Ph3, DF, DIC I, DIC II, DIC III</p> <ul style="list-style-type: none"> ▶ DAPI ▼ GFP (Zeiss FS 38 HE, set 489038-9901-000) single cube for Alexa 488/GFP, CFP, FITC BP 470/40 HE (BP 450-490) excitation filter, bandpass, Zeiss, 489038-9901-000 LP 495 dichromatic mirror, longpass filter, Zeiss, 489038-9901-000 BP 525/50 (BP 500-550) emission filter, bandpass, Zeiss, 489038-9901-000 ▶ Alexa 546

Transmitted Illumination

Halogen, 100W

Fluorescence Illumination

Suitable for Specimen

fixed samples

Suitable for Technique

FRAP

Microscope Stand

Zeiss Axio Imager.Z1, upright stand

Objectives

Zeiss Plan-Apochromat 10x/0.45

Zeiss W Plan-Apochromat 20x/0.5

Zeiss Plan-Apochromat 20x/0.8

Coverslip Thickness: 0.17 mm

Working Distance: 0.55

Thread: M27

Tube Length: ∞

Zeiss Order Number: 420650-9901

Zeiss Plan-Neofluar 25x/0.8

Zeiss LCI Plan-Apochromat 25x/0.8

Zeiss W Plan-Apochromat 40x/1.0

Zeiss C Apochromat 40x/1.2

Zeiss LCI Plan-Neofluar 63x/1.3

Zeiss Plan-Apochromat 63x/1.4

Condenser

H/DIC, Ph1, Ph2, Ph3, DF, DIC I, DIC II, DIC III

Fluorescence Filter Cubes

DAPI

GFP (Zeiss FS 38 HE)

single cube for Alexa 488/GFP, CFP, FITC

BP 470/40 HE (BP 450-490), excitation filter, bandpass, Zeiss

LP 495, dichromatic mirror, longpass filter, Zeiss

BP 525/50 (BP 500-550), emission filter, bandpass, Zeiss

Alexa 546

DB Feld filter manufacturer ID fehlt noch

