

STANDARD OPERATING PROCEDURE			
Zeiss Lightsheet 7.1			
Supersedes Document/ Revision No: NA	SOP-2-001	Revision Date:	31.10.2022

Item: Zeiss Lightsheet 7.1
SIP: 2595000216
Equi-Nr.: 1062415
UKL-Anlagen-Nr.:

This SOP describes startup and shutdown of Zeiss Lightsheet 7.1

Usage of SOP: When needed.

Usage of this microscope is only allowed after training by the Core Facility!

Turning on

- Turn on the Main Switch for the microscope components **#LS1**
- Turn on the Main Switch for the PC **#LS2**
- Turn on the Main Switch for the incubation **#LS3**
- Turn on the Computer **#LS4**
- Accept the opening of the “Fill out usage time” form and fill it in (except for the stopping time).
- Log in:
 Login: IMT-ZEISS-02
 PW: imtzeiss!22
- Insert the chamber and connect all the tubing (including temperature probe if needed).
- Start Zen Software
- Select the right profile
- Select start system

System calibration

- Press Overview and Fill the chamber with the appropriate liquid
 - Go to “Maintain”
 - Select “Adjustment”
 - Adjust LightSheet and follow the instructions
- Repeat this procedure until all needed lasers are adjusted.



TURN Off

- Remove the chamber and clean it with water (rinse twice with 70% Ethanol if a clearing liquid was used). Do the same with the sample holder and let it dry on a fresh Kimwipe.
- Enter stopping time in the Usage Log, add comments if needed, then click on check mark
- Save your data, **No saving on the desktop!**

If someone is scheduled within the next hour

- Exit ZEN software. Close all open windows but do not turn the computer off.
- Leave everything on (PC, laser, incubation ...).

If someone is *not* scheduled after you:

- Exit ZEN software – wait about 10 seconds and shut down the computer **#LS4**
- Shut off the Main Switch for the incubation **#LS3**
- When the computer is off, shut off Main Switch for the Computer **#LS2**
- Shut off the Main Switch for the System **#LS1**

End of the session

- Remove all your waste such as samples, or paper and throw it in the appropriate waste bin.
- Fill the paper log sheet.

Daten der ersten und nachfolgenden Bearbeitungen (mind. jährlich)

Rev.-#	Datum	Beschreibung	Verfasst von
001	31.10.2022	1st version	F. Ditengou