Lightsheet Z.1 Quick Startup





1) Start-up with 5X Detection Lens (Water embedded sample)

- 5X Detection Lens (NA 0.16) with Adapter Ring
- 5X Illumination Lens (NA 0.1) (Note that Green label should be matched with lens slot)
- Standard Water Sample Chamber with Closed Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Water_5X.mdb' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel







2) Start-up with 10X Detection Lens (Water embedded sample)

- 10X Detection Lens (NA 0.5) with Adapter Ring
- 5X Illumination Lens (NA 0.1) (Note that Green label should be matched with lens slot)
- Standard Water Sample Chamber with Open Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Water_10X.mdb' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel







3) Start-up with 20X Detection Lens (Water embedded sample)

- 20X Detection Lens (NA 1.0) with Adapter Ring
- 10X Illumination Lens (NA 0.2) (Note that Green label should be matched with lens slot)
- Standard Water Sample Chamber with Open Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Water_20X.mdb' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel







4) Start-up with 40X Detection Lens (Water embedded sample)

- 40X Detection Lens (NA 1.0) with Adapter Ring
- 10X Illumination Lens (NA 0.2) (Note that Green label should be matched with lens slot)
- Standard Water Sample Chamber with Open Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Water_40X.mdb' and click 'Start System'
- Standard LBF (Laser Blocking Filter) Wheel





5) Start-up with 5X Detection Lens (Cleared sample - CLARITY)

- 5X Detection Lens (NA 0.16) with 1.45/5x Adapter Ring
- 5X Illumination Lens (NA 0.1) (Note that Green label should be matched with lens slot)
- Sample Chamber n=1.45/5X with Closed Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Clearing_1.45_5X.mdb' and click 'Start System'
- Fixed One LBF with Slider (Laser Blocking Filter)









6) Start-up with 20X Detection Lens (Cleared sample - CLARITY)



- 20X Detection Lens n=1.45 (NA 1.0)
- 10X Illumination Lens (NA 0.2) (Note that Green label should be matched with lens slot)
- Sample Chamber n=1.45/20X with Open Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Clearing_1.45_20X.mdb' and click 'Start System'
- Fixed One LBF with Slider (Laser Blocking Filter)



7) Start-up with 20X Detection Lens (Cleared sample – Sca/e)



- 20X Detection Lens n=1.38 (NA 1.0)
- 10X Illumination Lens (NA 0.2) (Note that Green label should be matched with lens slot)
- Sample Chamber n=1.38/20X with Open Window in the back
- Start ZEN software on the desktop
- Select Database 'System_2583000227_2xPCO_Clearing_1.38_20X.mdb' and click 'Start System'
- Fixed One LBF with Slider (Laser Blocking Filter)



8) Database Selection



- Before you start ZEN software, a proper 'database' of hardware combination needs to be selected according to your experimental conditions.
- Please choose a database and click 'Start System' to proceed.

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ZEN		Look in Recent Places	Database	33000227_2xPCO_Clearin 33000227_2xPCO_Clearin 33000227_2xPCO_Clearin	▼ ← g_1.38_20X.mdb g_1.45_5X.mdb g_1.45_20X.mdb	Ē 🕂 📰 2)	•
Lightsheet Z.1 Boot Status Hardware configuration database C:\Users\Lightsheet\Desktop\Database\System_2583000227_2xPCO_Clearing_1.45_20X.mdb 	1)	Desktop Libraries Computer	System_258	3000227_2xPCO_Water_ 3000227_2xPCO_Water_ 3000227_2xPCO_Water_ 3000227_2xPCO_Water_	5X.mdb 10X.mdb 20X.mdb 40X.mdb		
3) Recent Choo Start System Offline/Demo Image Processing	se		File name: Files of type:	Hardware configuration	n database files	•	Open Cancel

9) Database Selection



During ZEN software startup, a warning message named 'CP' will pop up.
 Please ignore it and click 'Yes' to proceed.





We make it visible.