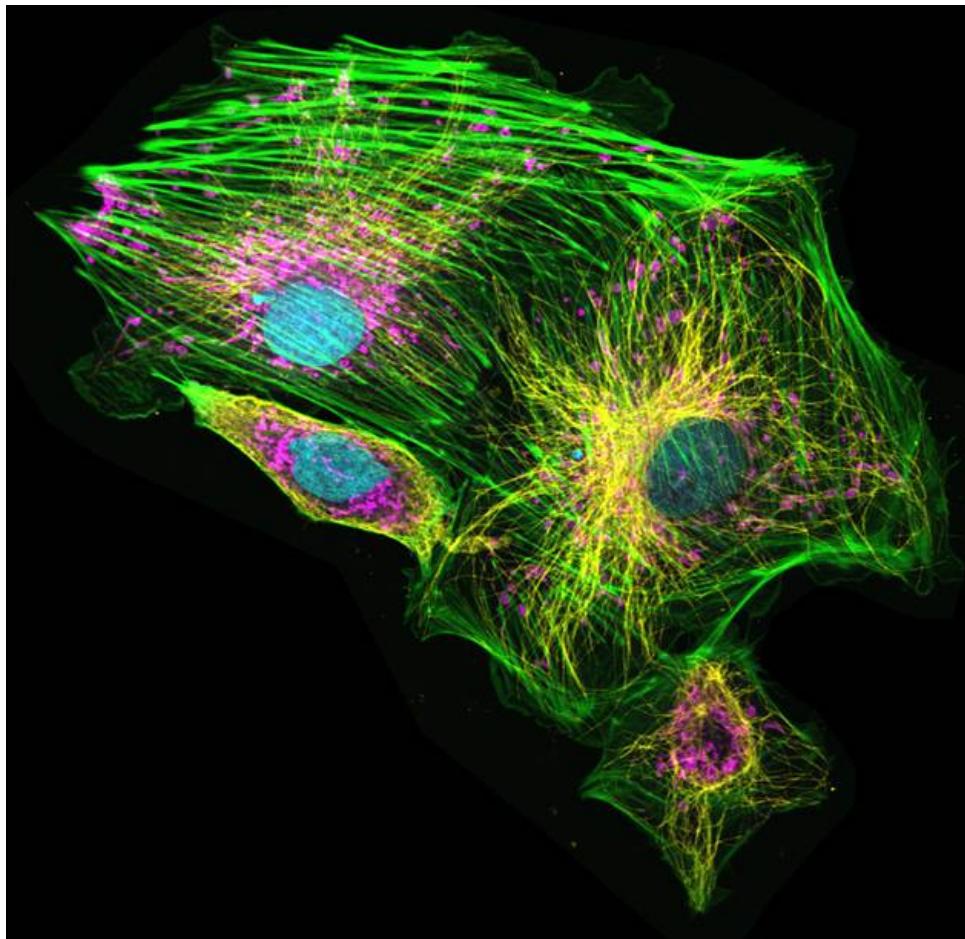


FV10i-Get your Image!!



NEW

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PtK2 Cells:
Cyan:nuclei(DAPI)
Green:Actin filament(AlexaFluor488)
Magenta:Mitochondria(Mito Tracker Red)
Yellow:Microtuble (Cy5)

FV10i-Hardware



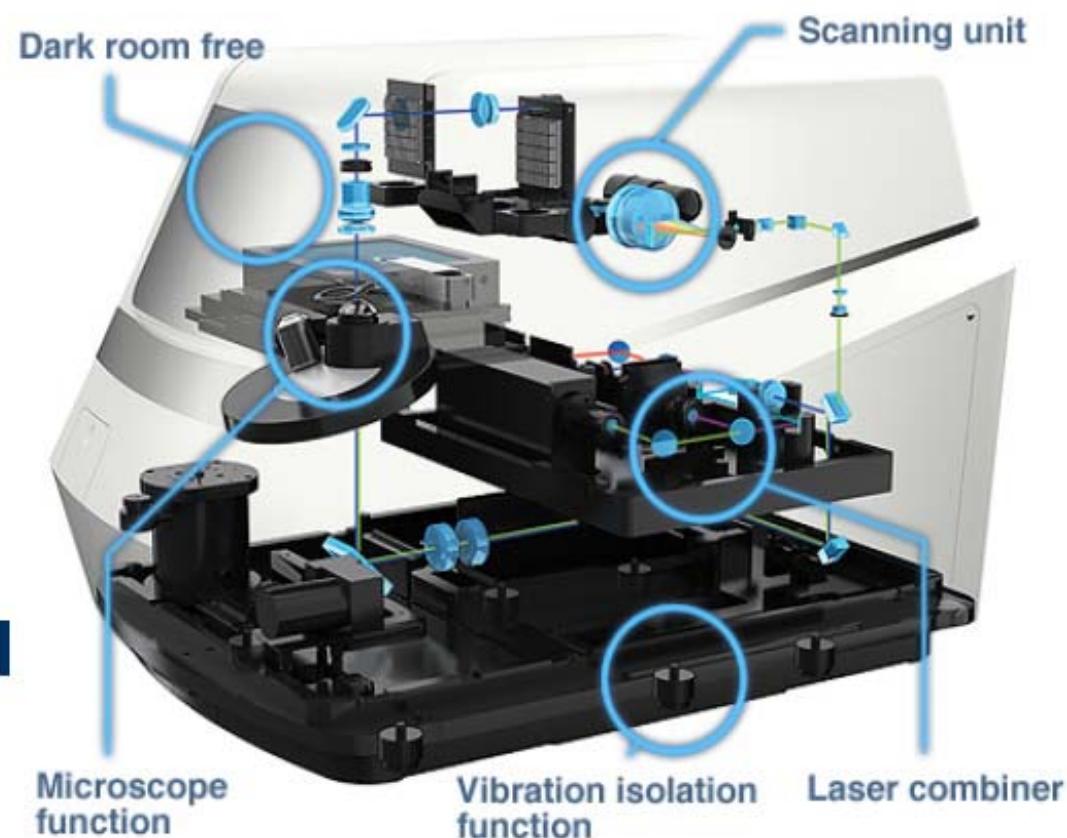
FV10C-PSU

FV10i main unit

EZIO 24" monitor

FV10C-CU

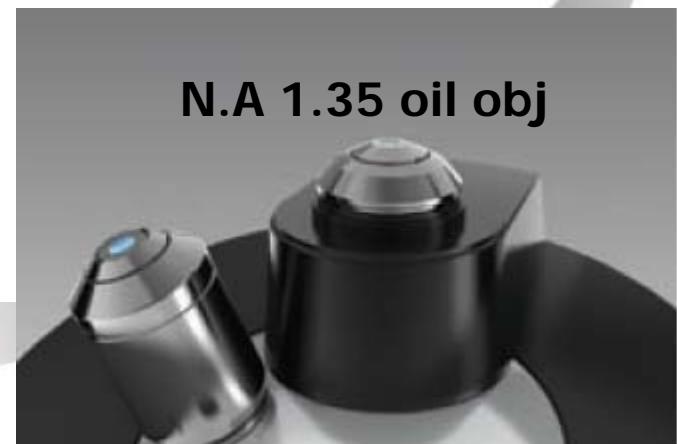
Hardware feature FV10i-O



One micro slide



One glass bottom dish



Hardware feature FV10i-W

Specimen holders

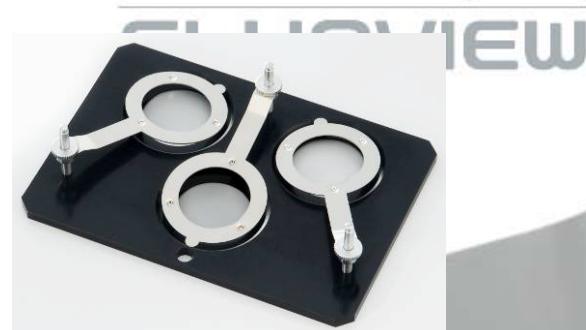


One micro slide



One cover glass chamber

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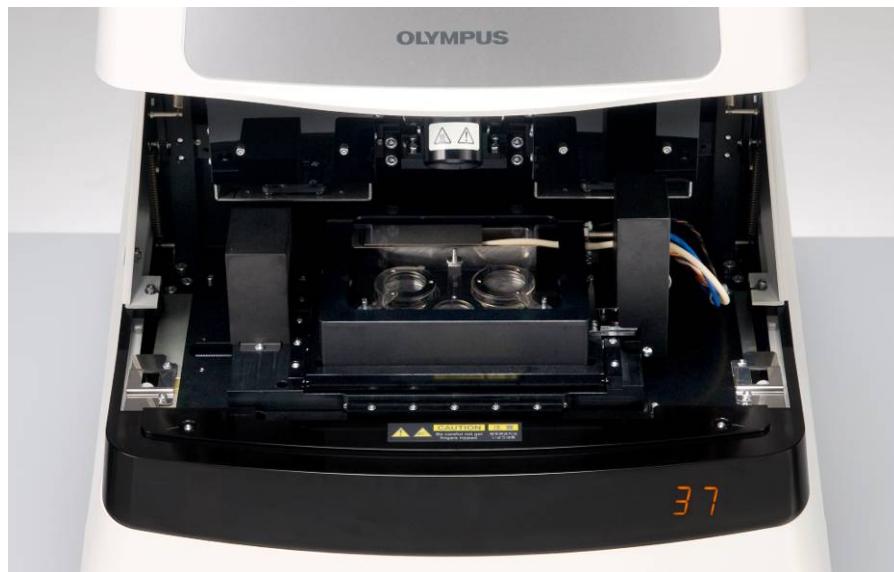


Culture pod system

Three glass bottom dish

Hardware feature FV10i-W

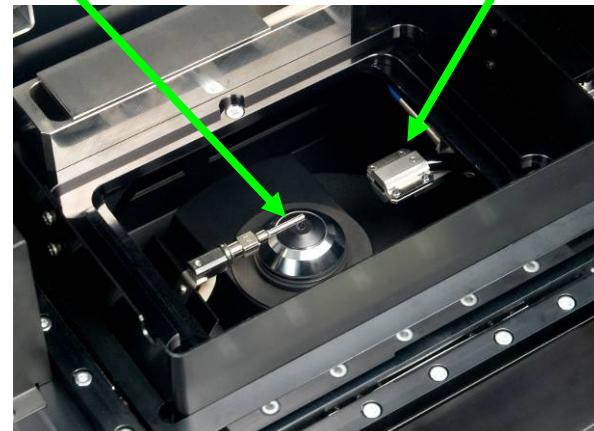
Automation



temperature 37°C, humidity over 90%,

Water supply nozzle

Air Bruch



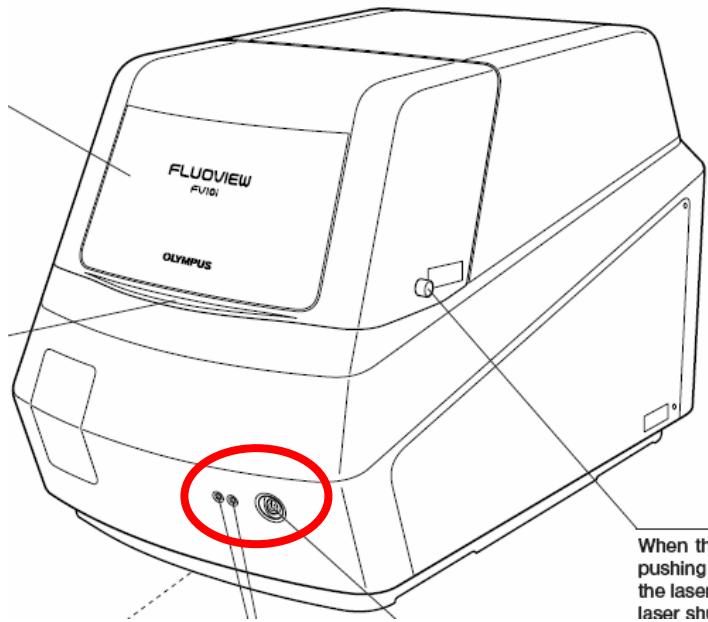
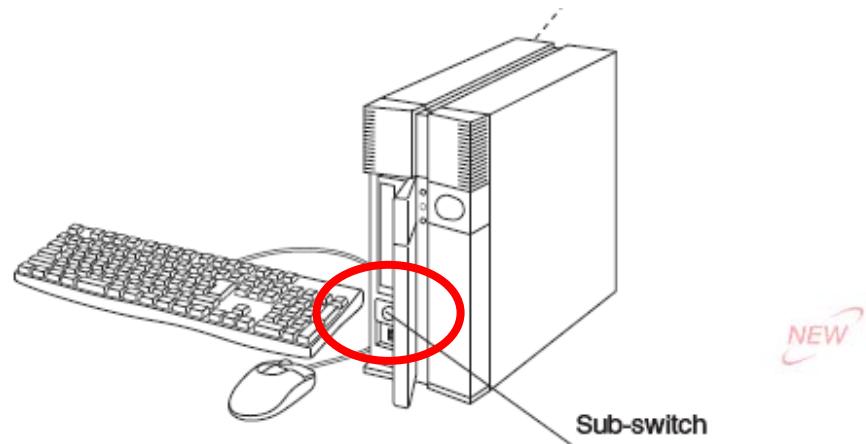
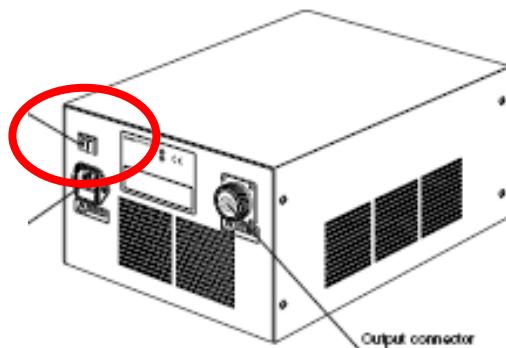
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Automatic correction collar

N.A 1.2

開機順序



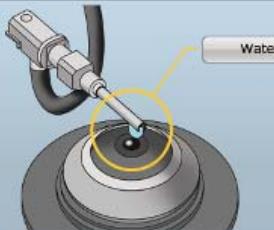
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Warm-up period
FV10i-O: 30minutes
FV10i-W: 60minutes

Step 1: Dye selection

Please check water.



Water

Please keep the button pressed until the water has reached the nozzle.

Please check the Sample Holder.



Please ensure that sample holder is placed.

Restart of the application is required for any sample holder change.

Please set your Observation Condition

Set From Dye Data Base Load From The Acquired Image

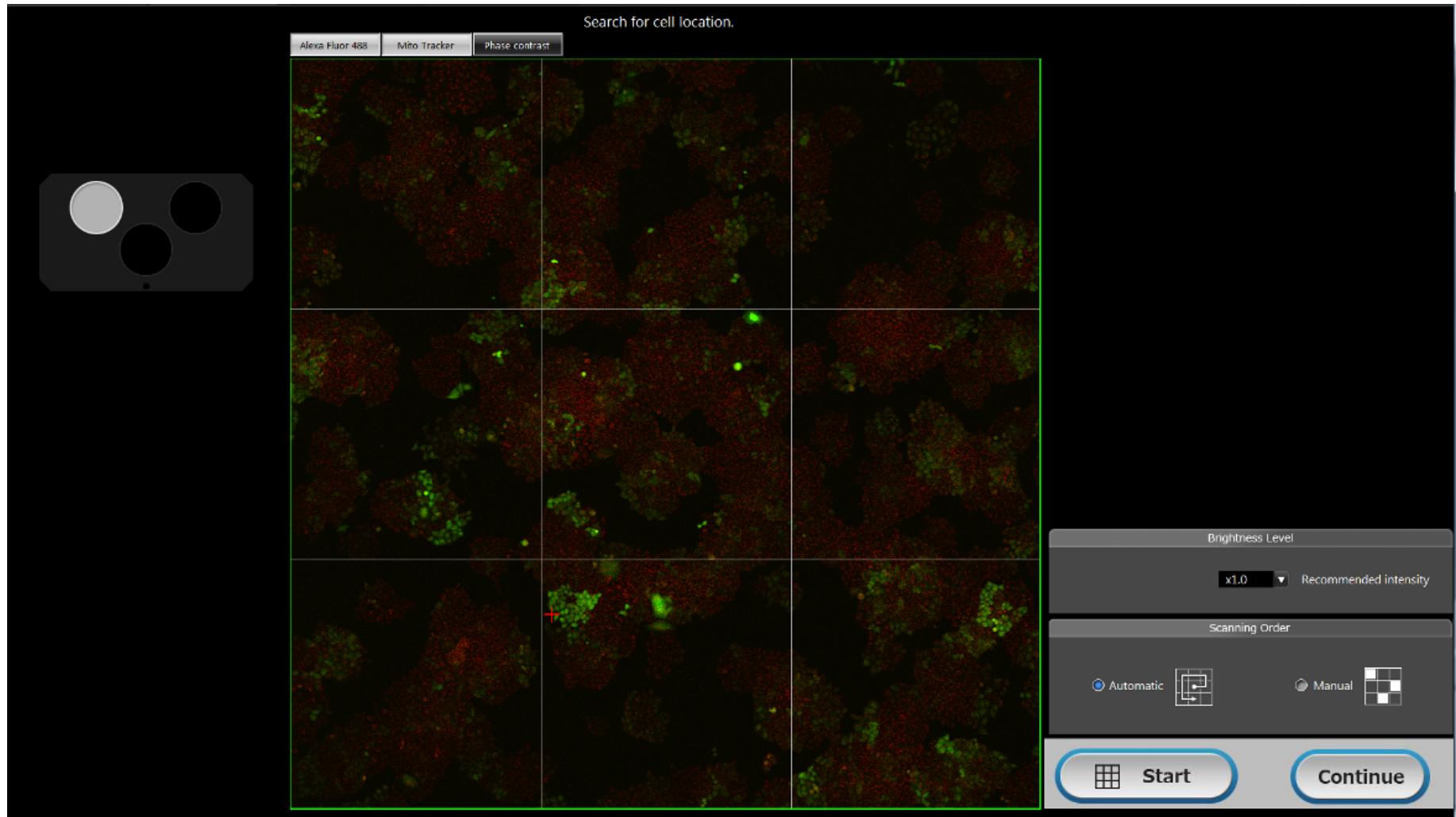
Selected Dyes

Apply > All Clear Delete

Name	Ex[nm]	Em[nm]
Magnesium Green(2n)	507	531
Magnesium Orange	550	574
mCherry	580	610
Midoriimi-Cyan	470	496
Mito Tracker Red	578	598
mikema-Red	442	620
mikusabira-Orange	548	559
Oregon Green 488 BAPTA-1	488	526
Oregon Green 488 BAPTA-2	498	526
Oregon Green 488 BAPTA-5N	499	526
PI	537	619
POPO-3	533	574
Qdot525	400	524
Qdot565	400	564
Qdot585	400	585
Qdot605	400	604
Qdot655	400	655
Qdot705	400	706
mod-2	553	577
Rhodamine Green	497	523
Rhodamine Phalloidin	558	575
Rhodamine Red-X	572	591
Texas Red	595	612
TO-PRO-3	642	657
TOTO-3	642	661
TRITC	552	578
X-rhod-1	580	601
YOYO-1	491	508
GFP/mCherry/FRET	489	510,610
MiC/mKO/FRET	470	496,559

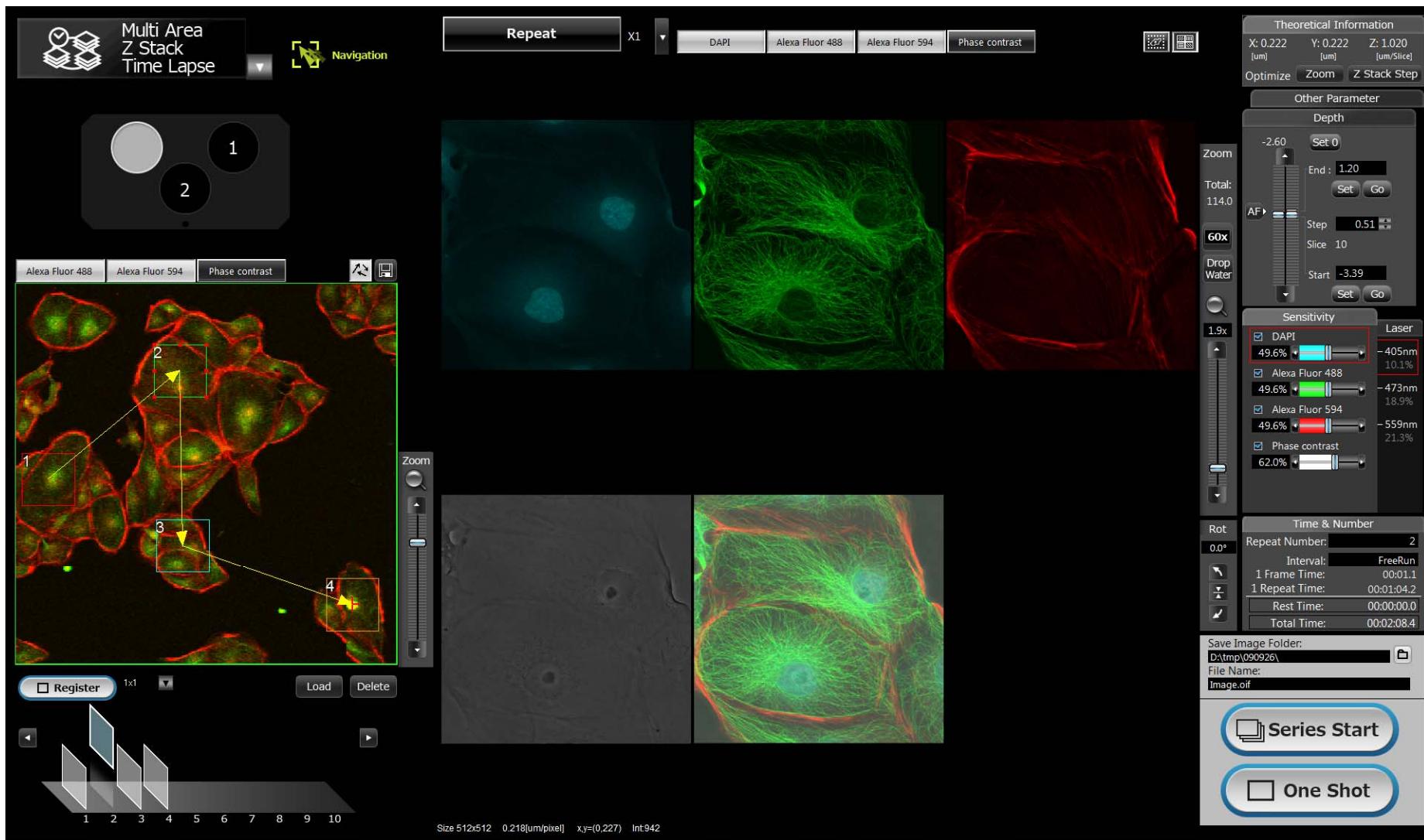
Set sample → choose dye

Step 2: Target selection

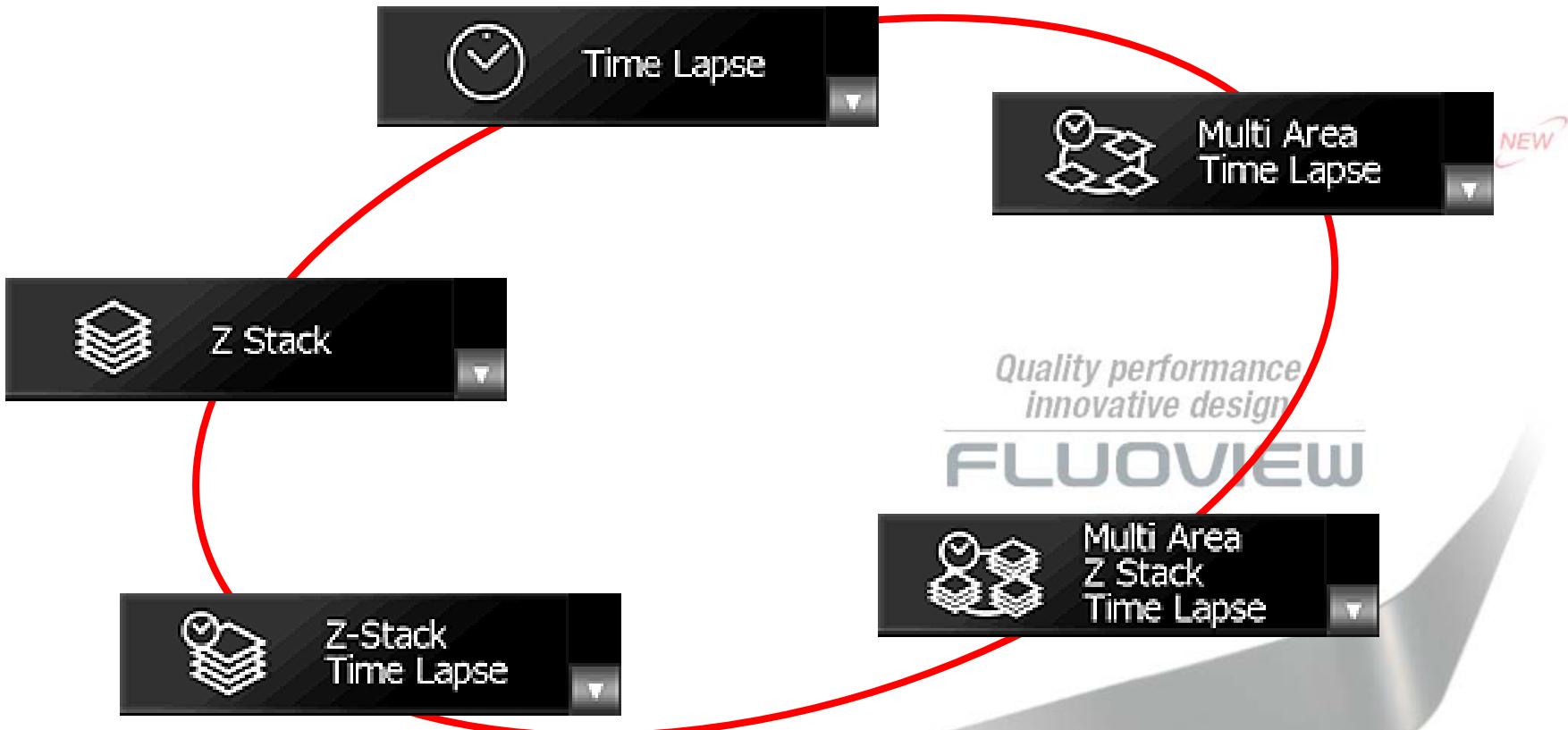


Focus → Map Image

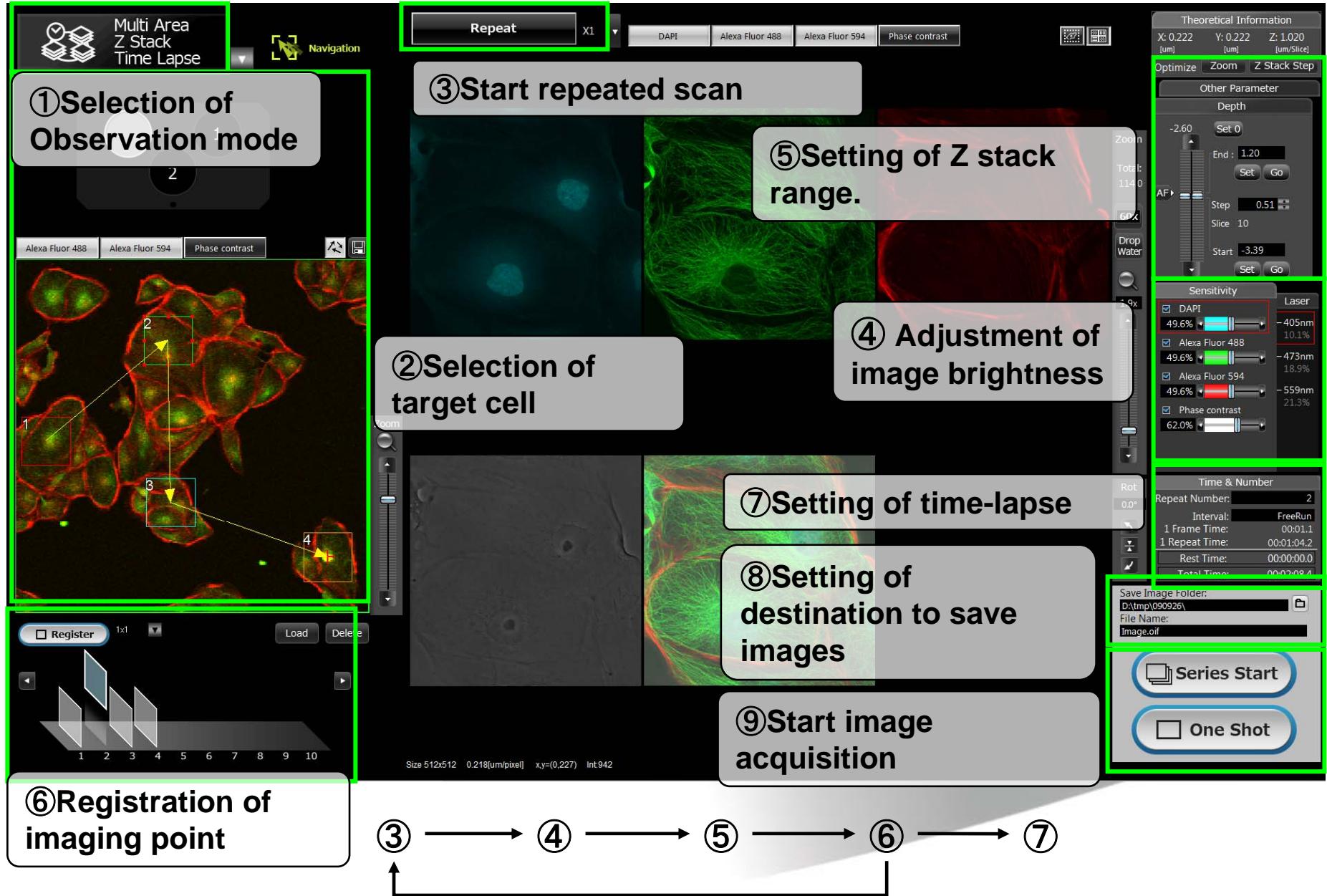
Step 3: Image setting



Observation Mode



Operation Flow: Multi Area xyzt



Just follow him!! Navigation

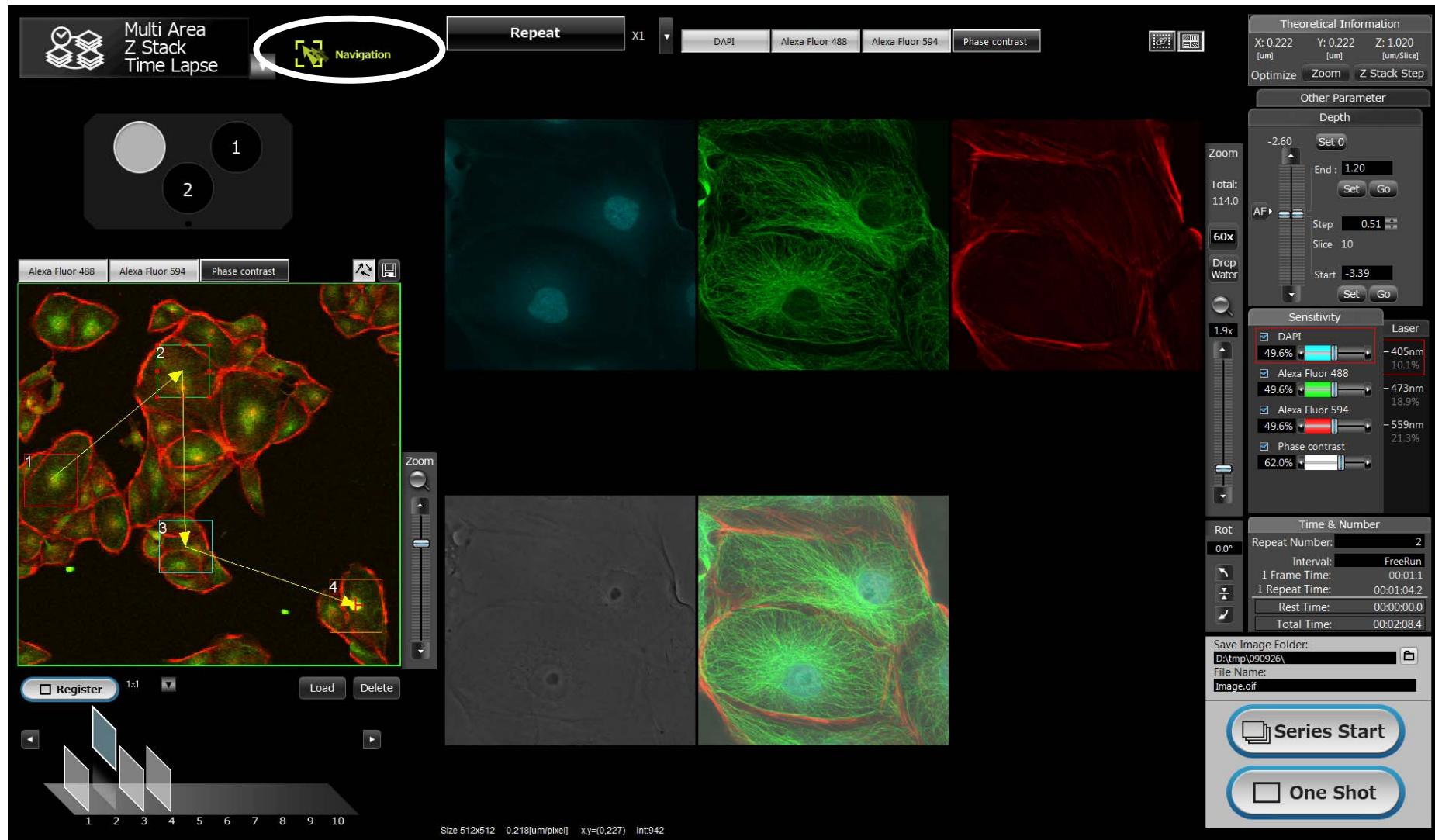
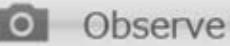


Image review and analysis:

Sample Setting

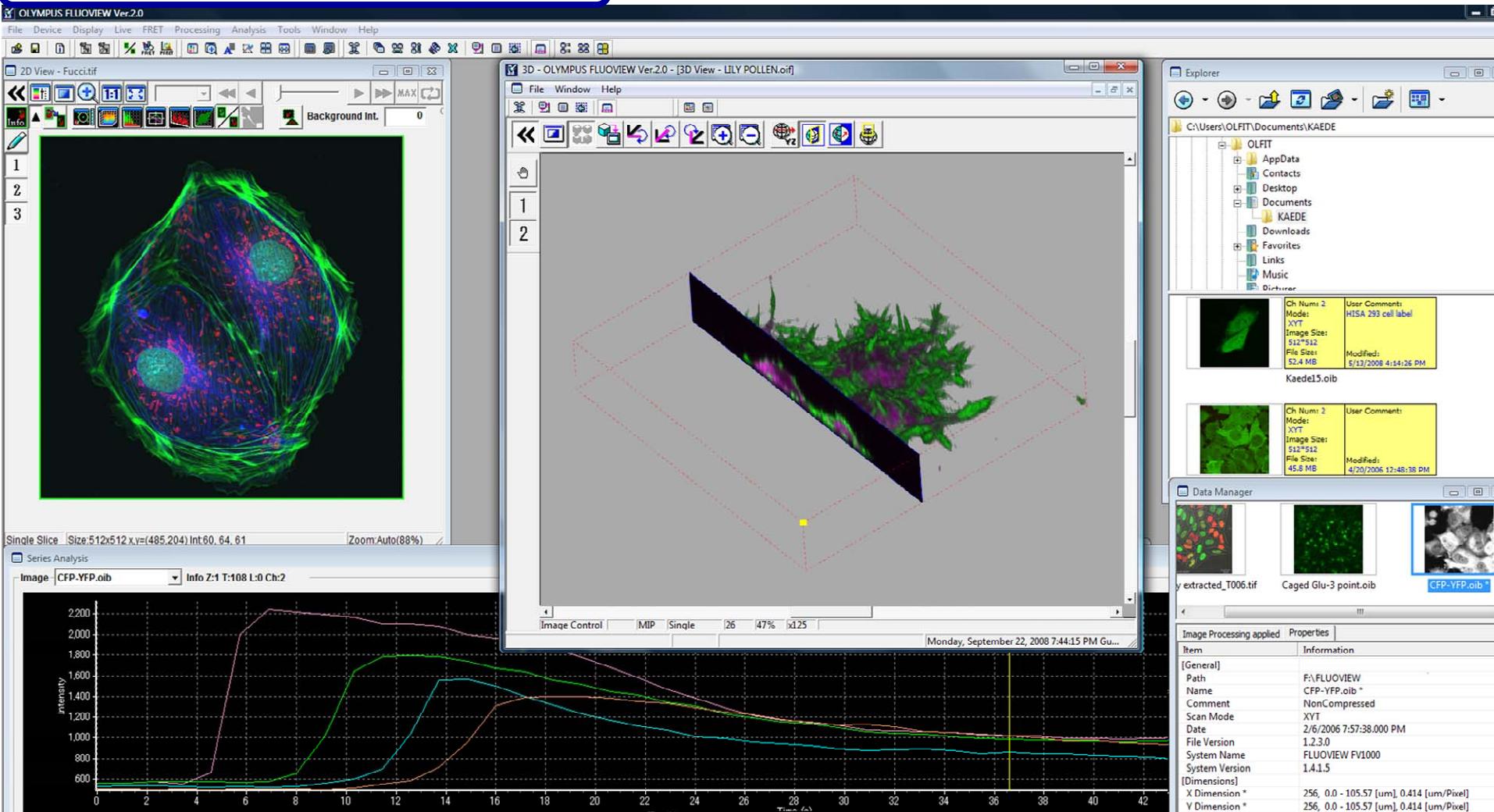
Acquire Map Image



Review

Review software

Images can be edit and analyzed during time-lapse experiment.



Thank you for your attention!

and



Ready for Hands-on!!

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