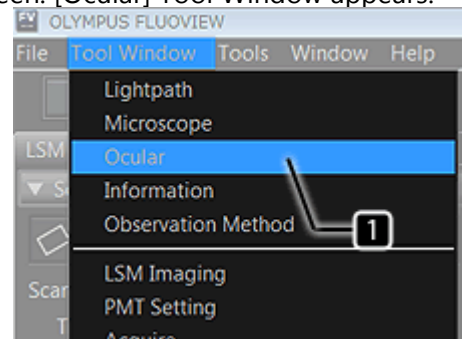


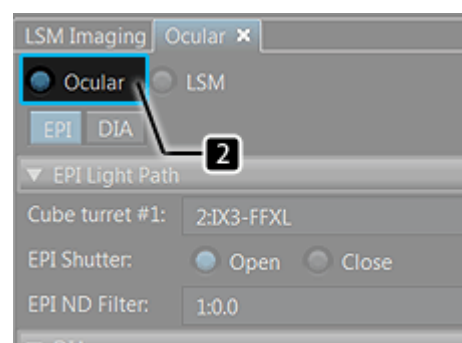
## Transmitted DIC observation

**!** Operation procedures of hardware differ depending on system configurations. Following is the operation procedure based on an example of system configuration.

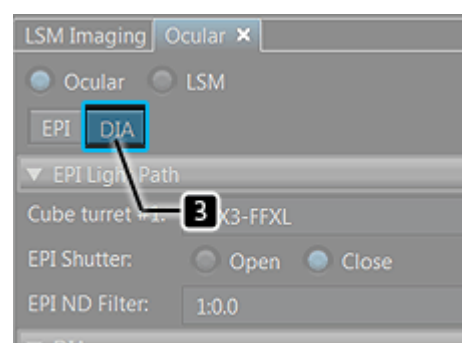
- 1** Select [Ocular] in the [Tool Window] menu on the software screen. [Ocular] Tool Window appears.



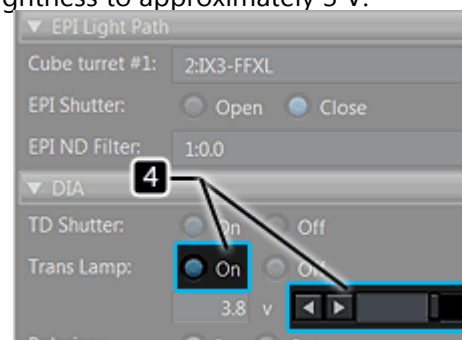
- 2** Select "Ocular" in [Ocular] Tool Window.



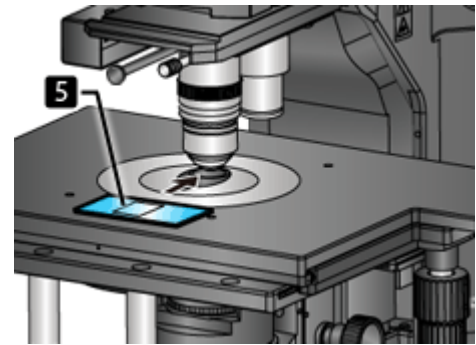
- 3** Press **DIA** button to show **DIA**.



- 4** Select "On" in [Trans Lamp], and use the slider to adjust the brightness to approximately 3 V.

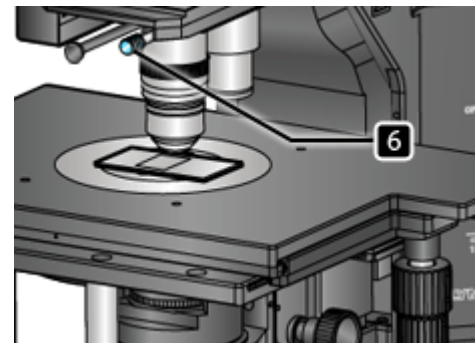


- 5 Place the specimen on the stage.

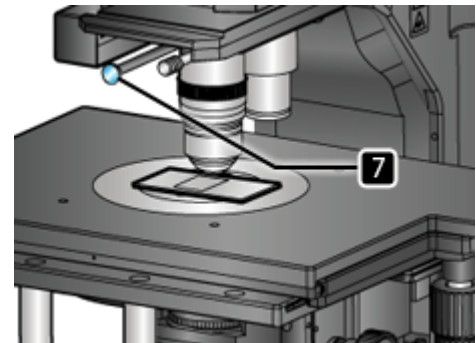



- 6 Select the objective lens manually and engage it in the light path.

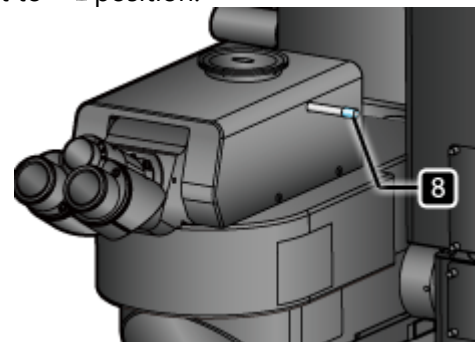
**!** If the height of the specimen is different from that in the previous observation, the objective lens may contact the specimen. Select the objective lens carefully.



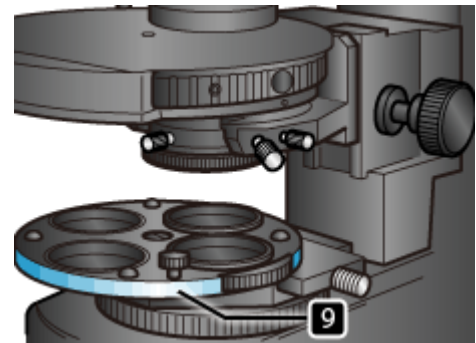
- 7 Engage the DIC prism in the light path.



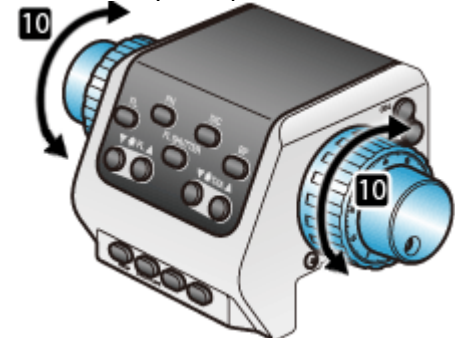
- 8 Push the light path selector knob of the trinocular tube to set it to  position.



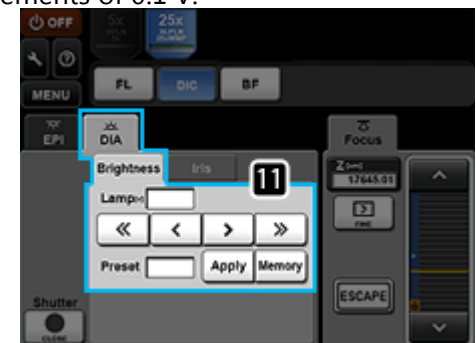
- 9 Engage the polarizer in the light path.



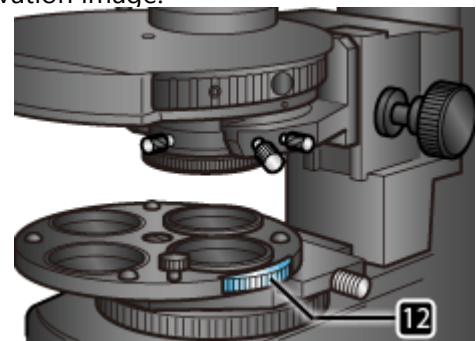
- 10** With looking into the eyepiece, rotate the focusing knob of U-MCZ to bring the specimen into focus.



- 11** Tap the [DIA] tab and the [Brightness] tab of the touch panel controller to display the screen, and adjust the brightness.  
Tapping the [<<] or [>>] button changes the lamp voltage in increments of 1.0 V.  
Tapping the [<] or [>] button changes the lamp voltage in increments of 0.1 V.

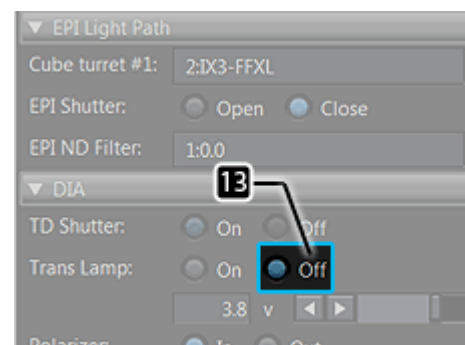


- 12** Rotate the rotation dial to adjust the contrast of the DIC observation image.



**13**

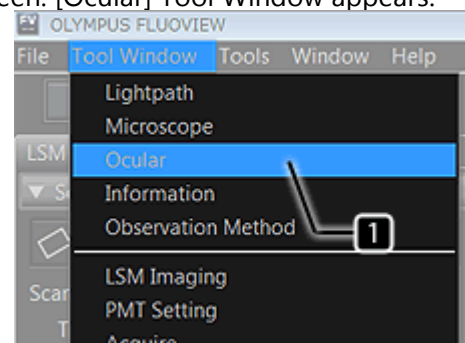
To finish the observation, select "Off" of [Trans Lamp] on the software screen.



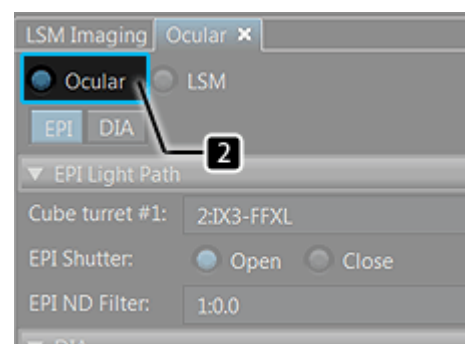
## Fluorescence observation

**! Operation procedures of hardware differ depending on system configurations. Following is the operation procedure based on an example of system configuration.**

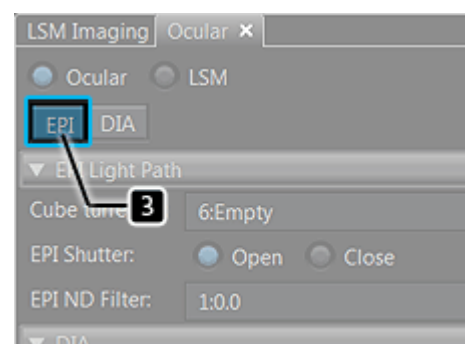
- 1 Select [Ocular] in the [Tool Window] menu on the software screen. [Ocular] Tool Window appears.



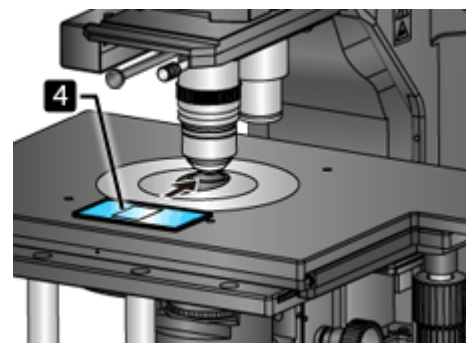
- 2 Select "Ocular" in [Ocular] Tool Window.



- 3 Press the **EPI** button to show **EPI**.

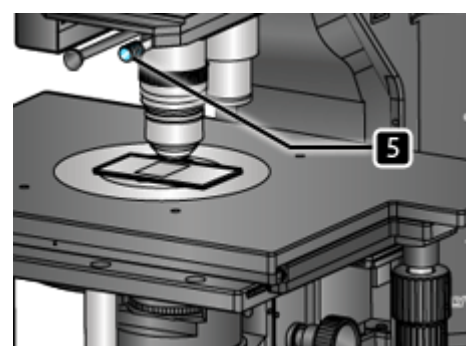


- 4 Place the specimen on the stage.



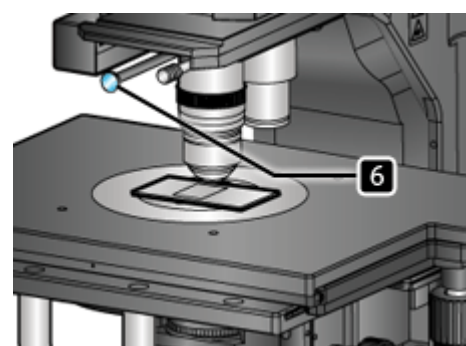
- 5 Select the objective lens manually and engage it in the light path.

**!** If the height of the specimen is different from that in the previous observation, the objective lens may contact the specimen. Select the objective lens carefully.




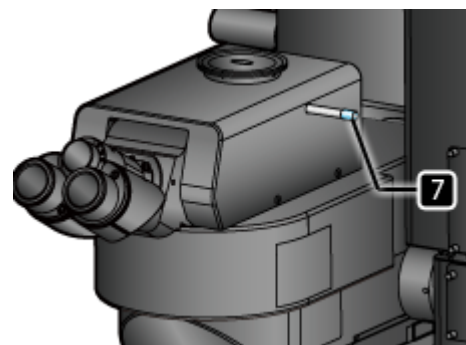
- 6 Remove the DIC prism from the light path.

**!** The fluorescence observation is available with keeping the DIC prism engaged in the light path, but in order to acquire the best image in fluorescence observation, it is recommended to remove the DIC prism from the light path while the DIC observation is not performed.




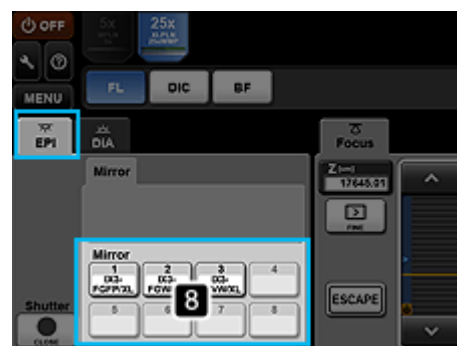
7

Push the light path selector knob of the trinocular tube to set it to  position.

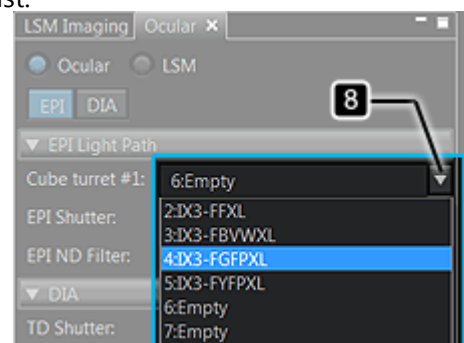


- 8** Select the mirror unit suitable for the fluorescent probe for observation on either the touch panel controller or the software screen.

Touch Panel Controller: Tap the  **EPI** tab to display the screen, and tap the button of the mirror unit.



Software screen: Select the mirror unit in the [Cube turret #1] list.



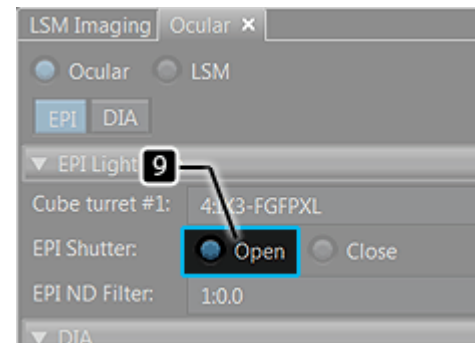
**9**

Open the shutter of the reflected illumination light on either the touch panel controller or the software screen.

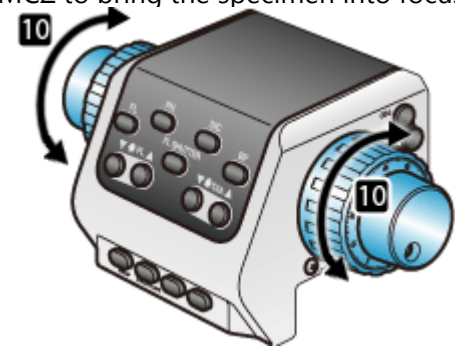
Touch Panel Controller: Tap the  button to open () the shutter.



Software screen: Select "Open" in [EPI shutter].



- 10** With looking into the eyepiece, rotate the focusing knob of U-MCZ to bring the specimen into focus.



- 11** To finish the observation, close the shutter of the reflected illumination.

Touch Panel Controller: Tap the  button to close (  ) the shutter.



Software screen: Select "Close" in [EPI shutter].

