

## How to Check the Imaging Software Magnification Settings

Two software products can be used for length measurement:

- **cellSens software (for PC)**
- **Stand-alone camera connection kit DP2-SAL control software**

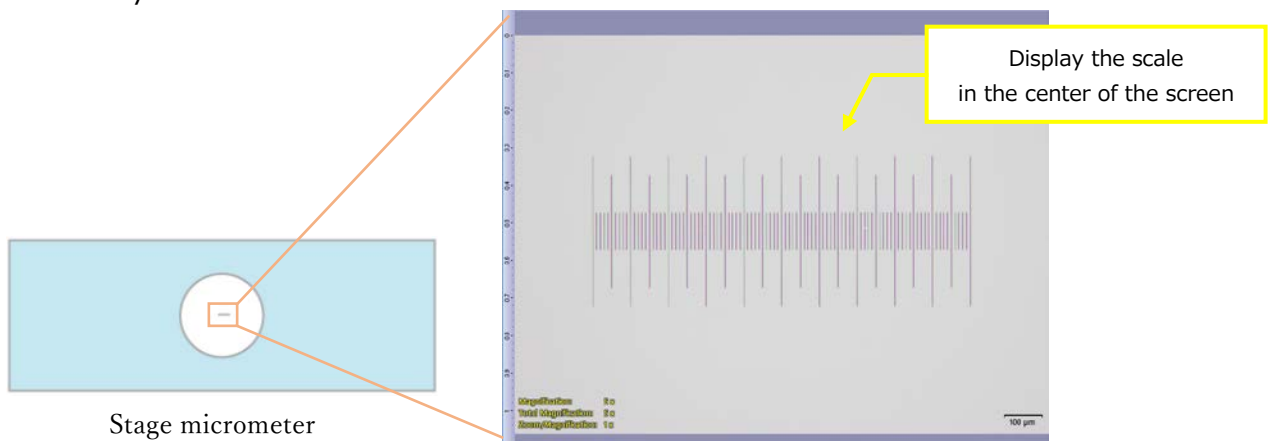
To confirm that the measurement settings are correct, you'll need a 0.01  $\mu\text{m}$  stage micrometer from Olympus or a third party. These can be purchased from Olympus.

OLYMPUS: Stage micrometer  
Model: OB-M1/100micro

### How to check the magnification:

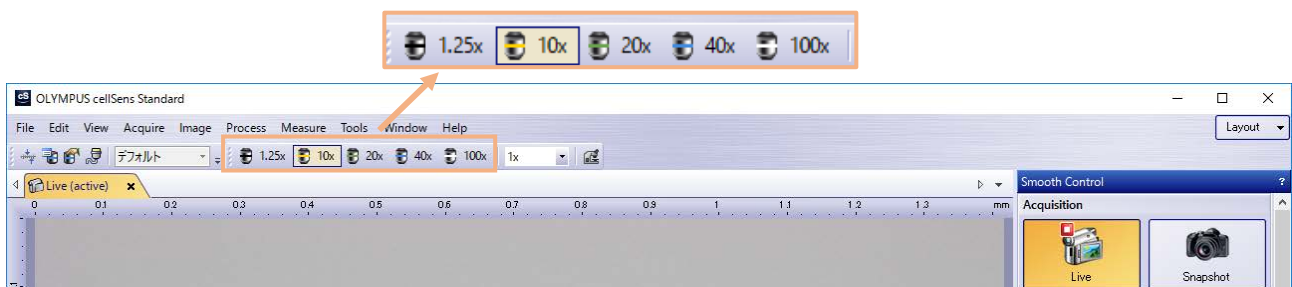
**Step 1:** Set the objective micrometer on the microscope's stage.

**Step 2:** Move the stage so that the micrometer's scales are in the center of the screen. Make sure they're in focus.



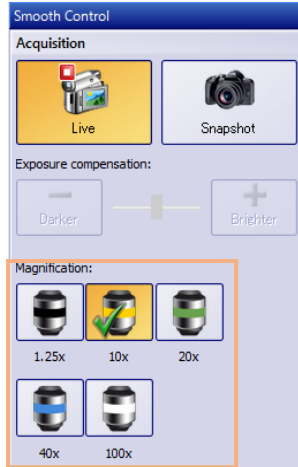
\*Image shown is from cellSens software

**Step 3:** Check that the magnification of the objective you're using is correctly selected in the software.



cellSens standard layout

## cellSens simple layout



## Stand-alone camera software



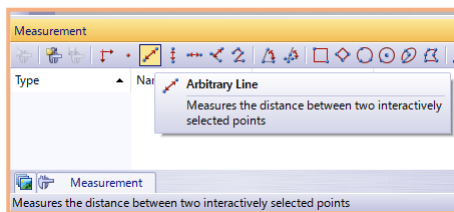
- 1 Select the [Controller] tab **a**.
- 2 If the setting items of Submenu are not displayed, press [Submenu] **b** to open them.
- 3 Press the **c** button of [Objective magnification] **c** to select the magnification of the objective currently in the light path. (If the objective magnification is linked with the microscope, you do not need to select. The objective magnification is set automatically according to the selected objective.) For details, refer to '8 Functions|linked with microscope (P. 89)'.

**Step 4:** Measure using the scale function and check that the results are correct.

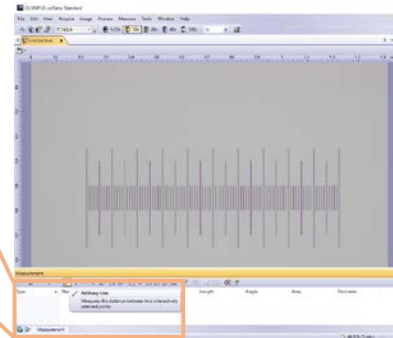
- ✓ 100x objective: 50  $\mu\text{m}$  (5 divisions)
- ✓ Objectives other than 100x: 100  $\mu\text{m}$  (10 divisions)

## cellSens Software Measurement Method

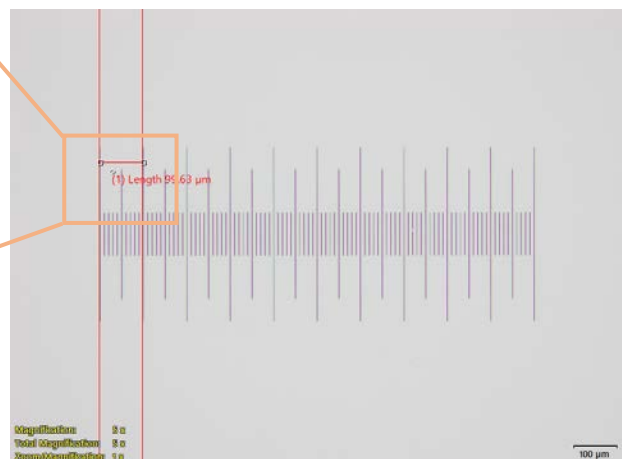
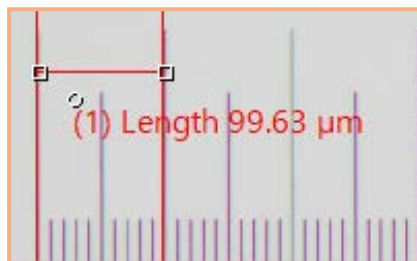
Click the 'Measurement' tab



Select 'Arbitrary Line'



cellSens software measurement screen



Use your mouse for measuring.  
Check if the displayed measurement result (length) is close to 100  $\mu\text{m}$ .

\*50  $\mu\text{m}$  for the 100x objective only

Measurement with a 10X objective

\*Image is for cellSens software

Note: For details about the stand-alone connection kit (DP2-SAL) measurement method, please refer to the software's instruction manual.

**Step 5:** Repeat step 4 for the objectives you are going to use.

\*When you change objectives, be sure to verify the settings (see step 3).

**If the measurement results differ from what you expect, there's a possibility that the magnification setting is not correctly specified. Please check the magnification setting and change it if it's not correct.**

If you have any questions, please contact your local Olympus sales representative or our customer support center.