Open AxioVision

Open the program
Anticipated Error Messages

Click ‘OK’ for these messages and the program will work.
Once the program opens, the page will be blank.

Begin by clicking on the ‘Live’ button
The live camera turns on

The view may be too bright or too dark (as in this case)
Right click on the image to view the dropdown list. Select “Live Properties”

Or without a right click, select Properties from the lower toolbox.
The properties toolbox opens with the display controls. Don’t adjust the display until after you have adjusted the exposure time and white balance.

Select the adjust tab to adjust exposure time and white balance.

Return to the display controls later and adjust the brightness, contrast and gamma.
Using the drop down menu select the correct magnification if you wish to use any measurements like a scale bar.

If using brightfield you will usually get a better image if gamma and Min/Max are selected. If using fluorescence see the last slide.
Type in milliseconds or move the slider to change the exposure time.
After adjusting exposure time, colors may be off even if the exposure time is correct. In this image, there is too much yellow, plus the cells are out of focus.

Color errors can be corrected by defining the white Balance. Select the “Interactive…” button to define white on your image.
When you have selected “Interactive…”, the button label reads “…picking”.

Move the cursor over the live image and click on an area of the image that should be white.
The colors should be correct after picking the area of white on an interactive white balance correction. You may repeat the process or adjust individual colors using the arrows.

The image is still out of focus.
Right click the live image to view the dropdown list. Select “Restart focus bar.”

The focus bar may need to be reset.
Once the focus bar is reset, focus the microscope while watching the live image on the computer screen.

If you wish to use the Scale Bar, you must identify the microscope’s current magnification.

The focus bar has been reset.
While focusing, the green block on the focus bar will move the red focus bar line to the right as the image gains focus. Continue to push the red line as far to the right as possible to obtain the best focus.

Reset the focus bar again if needed.
Capture a picture of your live image by clicking on one of the “Snap” buttons.
If the colors change on your image, you may have left the Automatic Exposure button on. Notice that the exposure setting on the previous slide was 68 ms. This image turned out dark because the computer determined the exposure time.

If you wish to use this exposure setting, you need to reset the white balance. Otherwise, remove the check from the Automatic Exposure choice in the Adjust toolbox.
Once you snap an image, the picture is located behind the live camera window.
If the snapped image is too large to view in the window, right click on the image and zoom out.
To add a scale bar to the image click the scale bar box and simply drag the scale bar across the image where you want it.
To change the color of the scale bar right-click the image and open the properties page.

Click on the Attributes tab and click on the scale bar. You can now change the color of the scale bar and the text.
In the ‘Save Image File As’ window, choose the compression type for your image. If you wish to use AxioVision features in the future, you must save it as .zvi. But no other programs will open .zvi, so if you wish to view the image in another program, we recommend selecting JPEG compressed (.jpg).

If you click ‘x’ to close the window, the software asks whether you wish to save the file.

Save the image by clicking on the “File dropdown list and choosing “Save” or click the ‘x’ in the corner of the image window to close the window.
The only difference when using fluorescence is you will usually get a better image when Linear is clicked.

Do not use the white balance when using fluorescence because you have a black background.