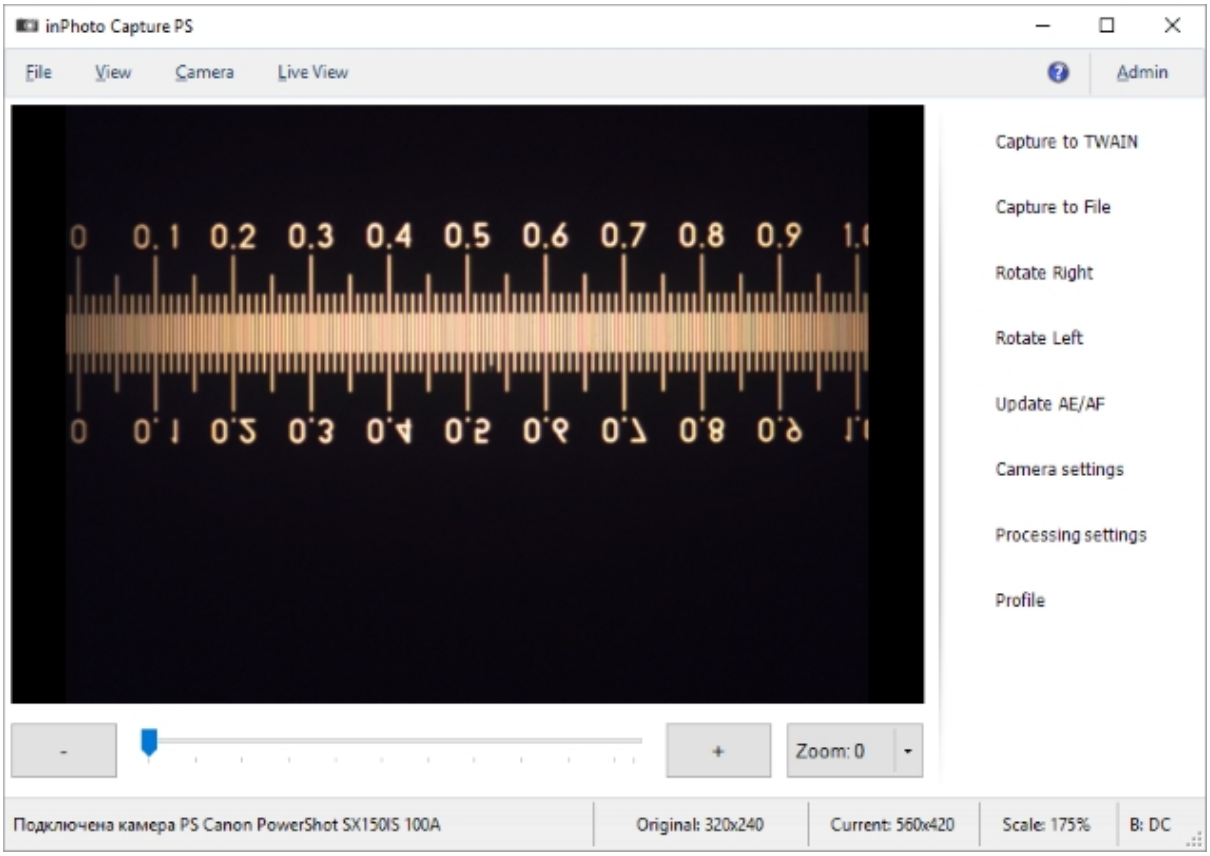
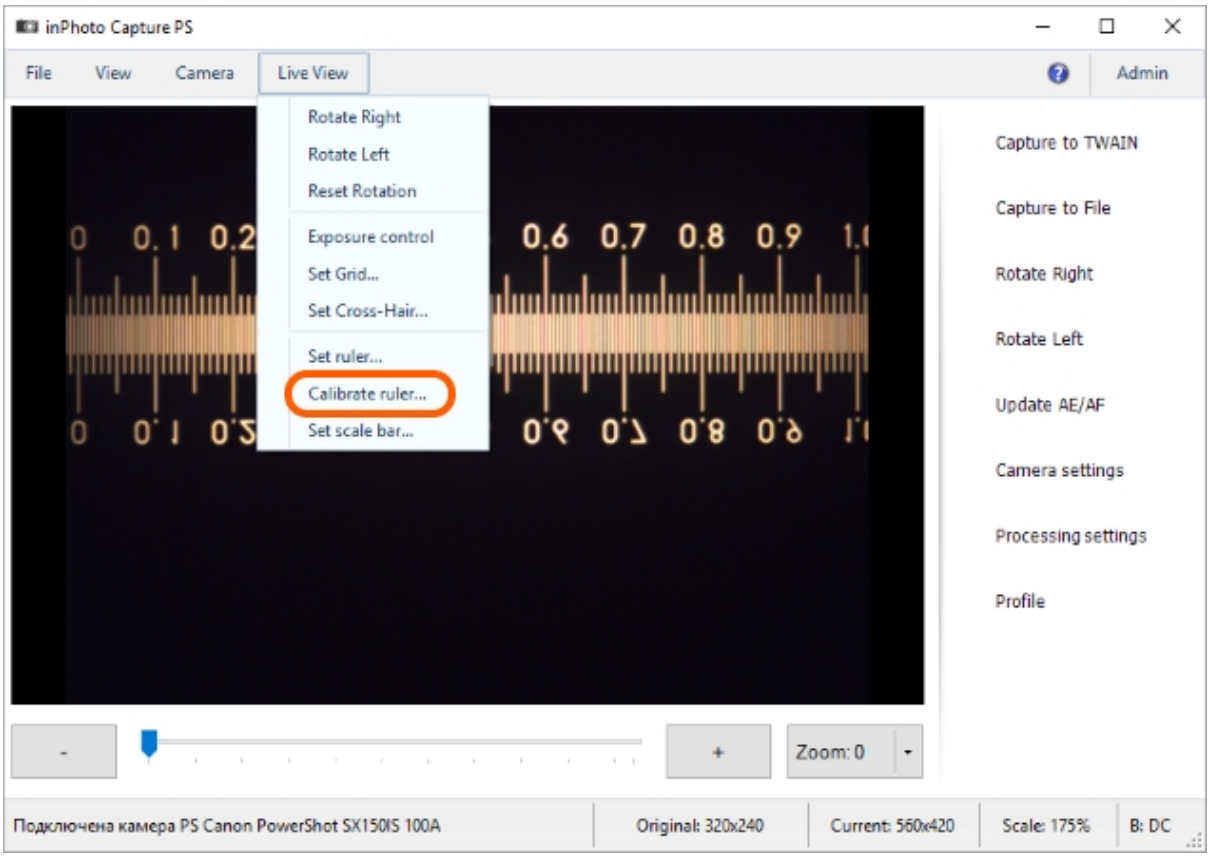
1 How to configure the Calibrate ruler

Use **Calibrate ruler** to identify length of the pixel in the real measurement units.

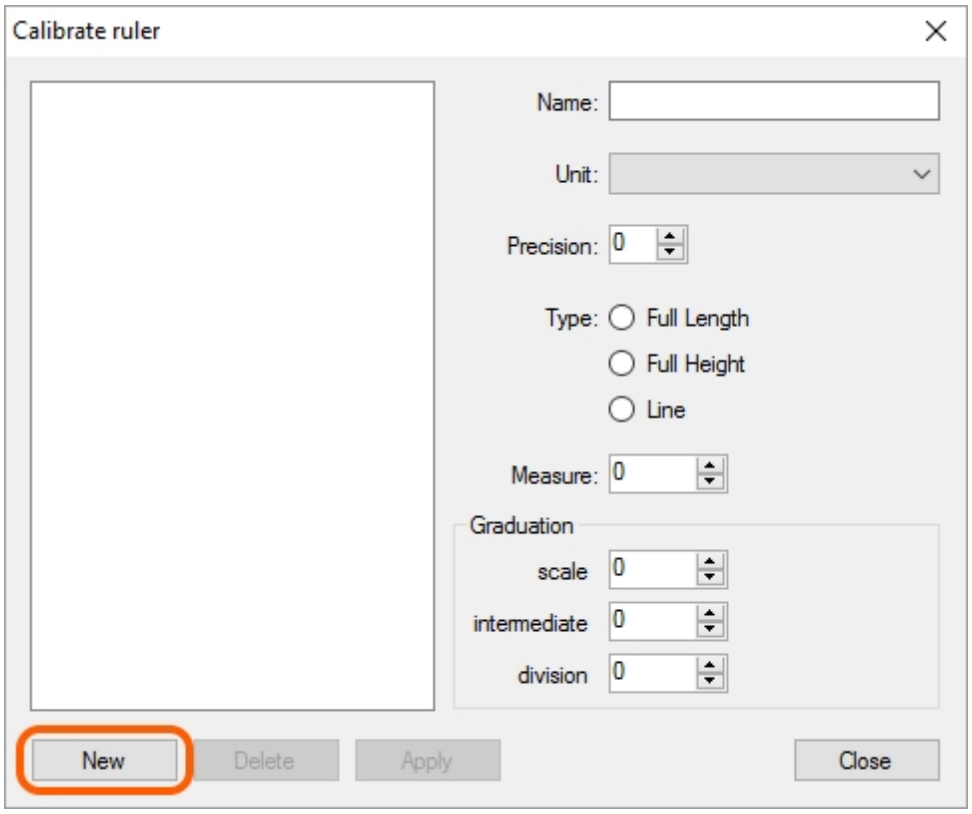
Step 1. Connect the camera to the PC. Run **inPhoto Capture PS**. Place your reference measurement parameter in front of a camera so you can see it in the preview of **inPhoto Capture PS**.



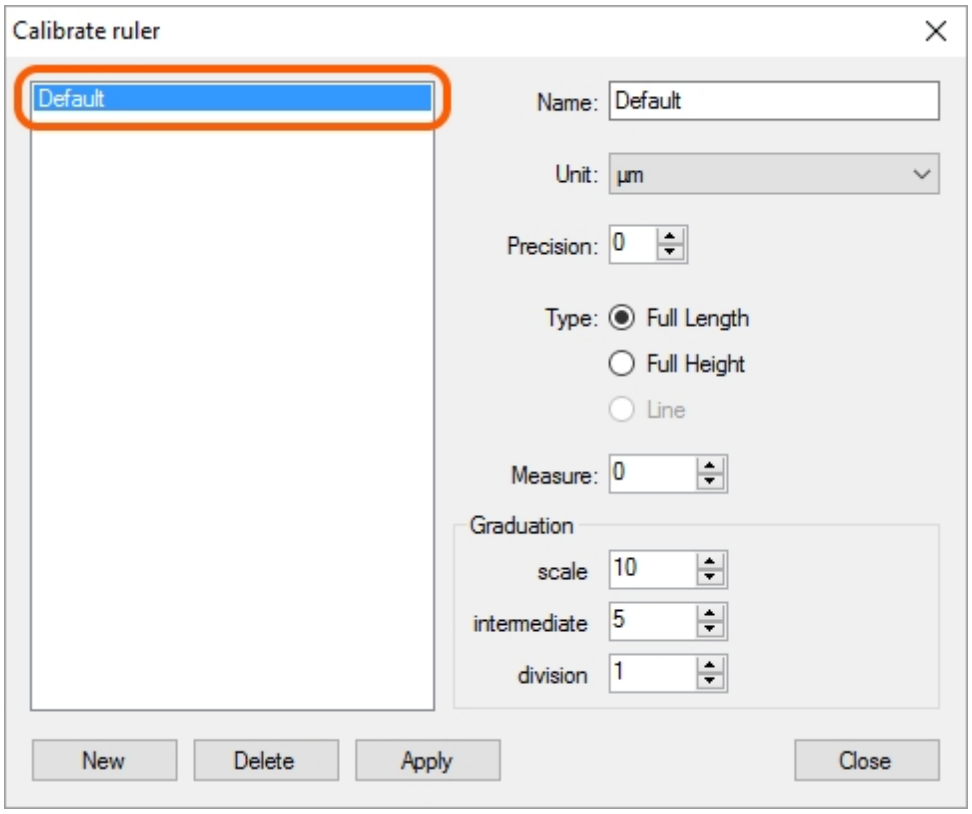
Step 2. Open the **Live View** menu > **Calibrate ruler**.



Step 3. In the appeared window, click the **New** button.



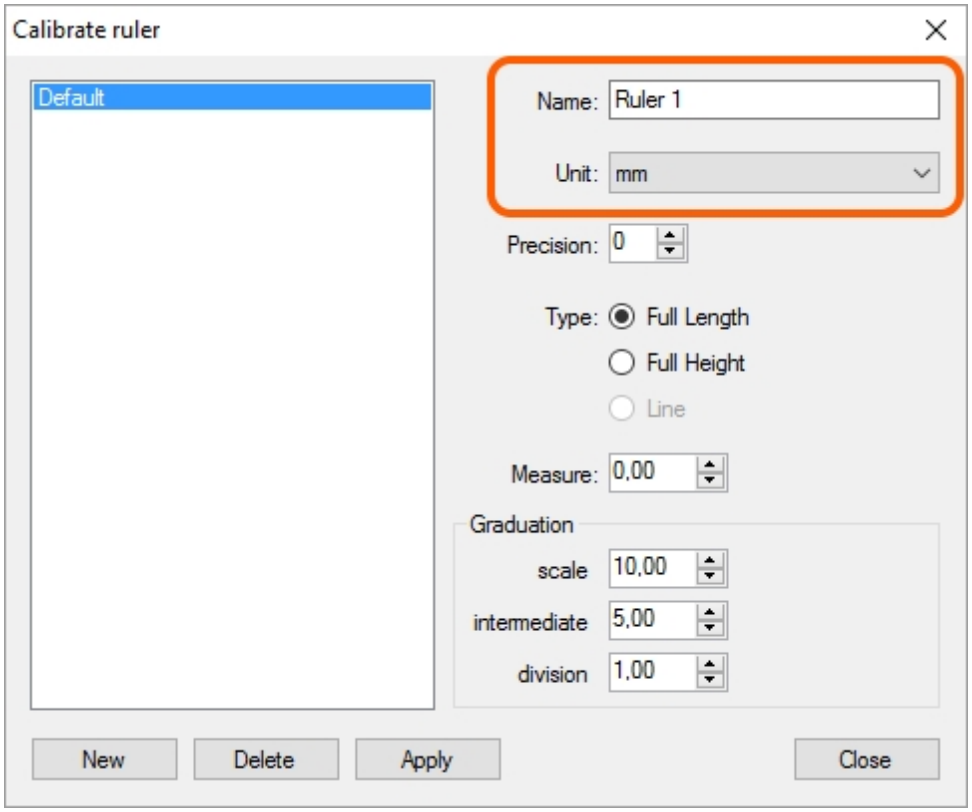
After that, the default value will appear in the list, select it.



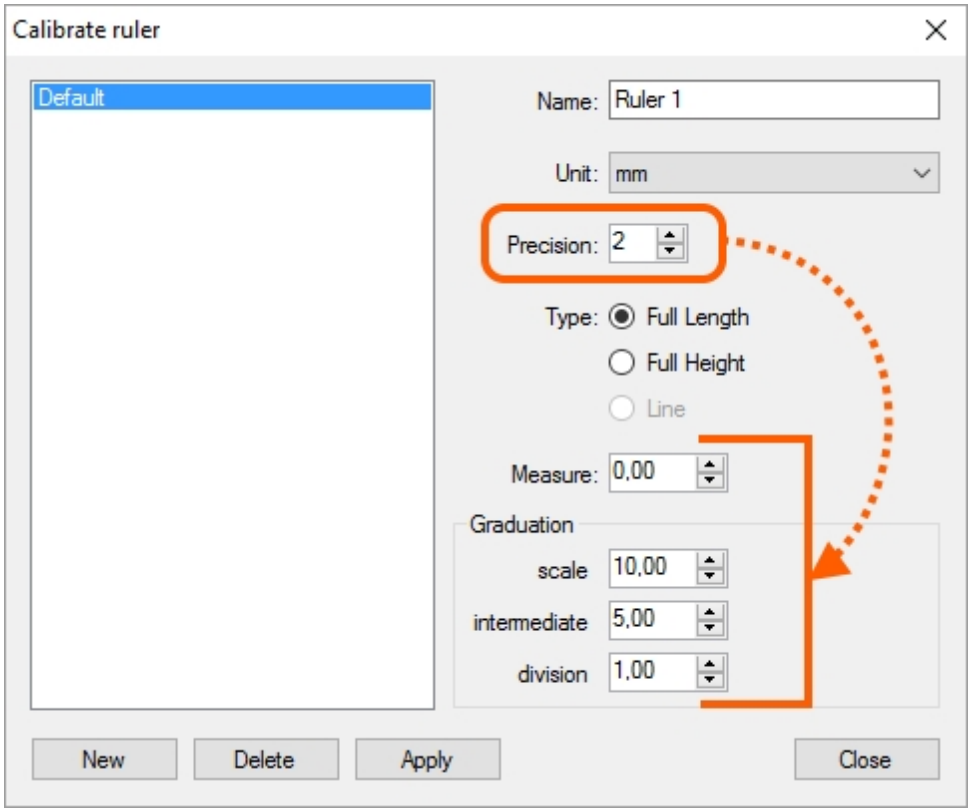
Step 4. After you select the value in the list the fields are available, fill them.

Name - name you want use to the Calibrate ruler

Unit - measurement unit you want use to the Calibrate ruler

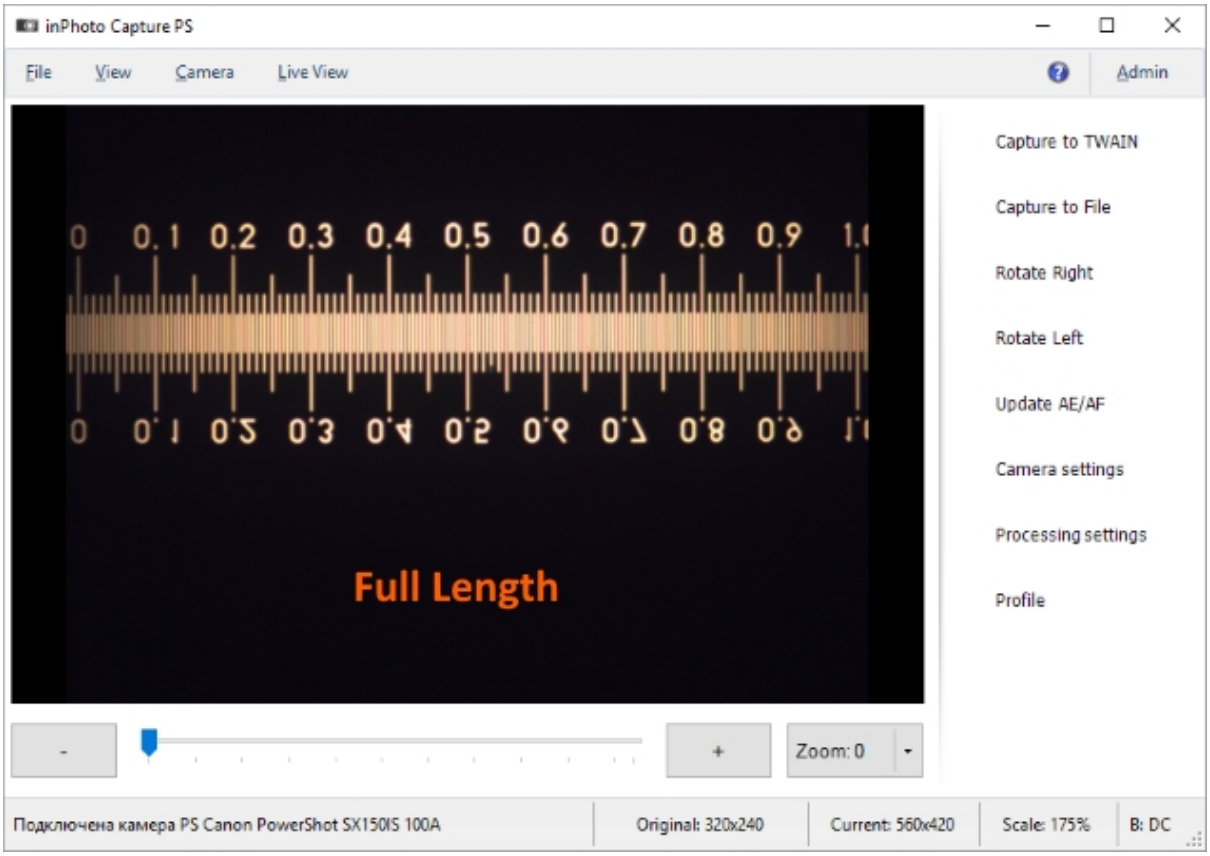


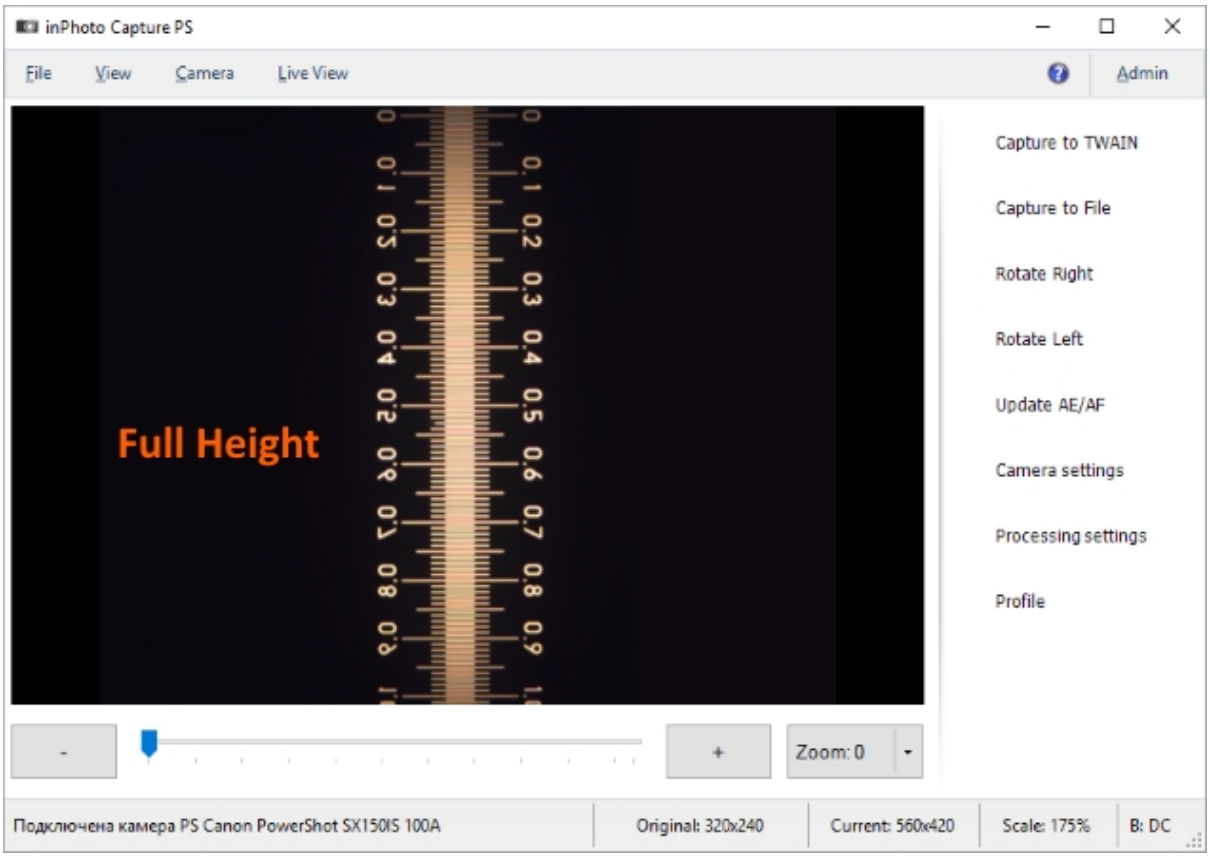
Precision - the number of digits after the comma in the **Measure**, **scale**, **intermediate** and **division** fields.



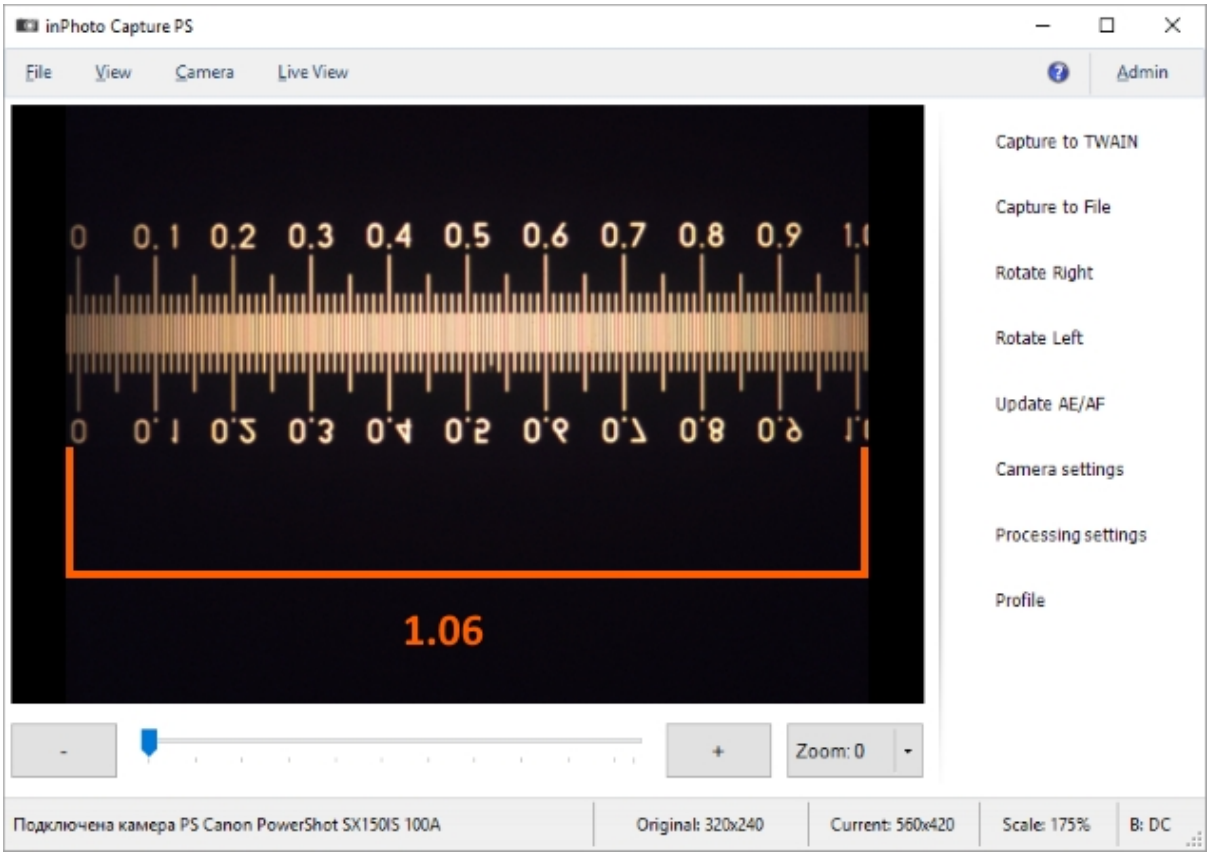
Type - the measuring method

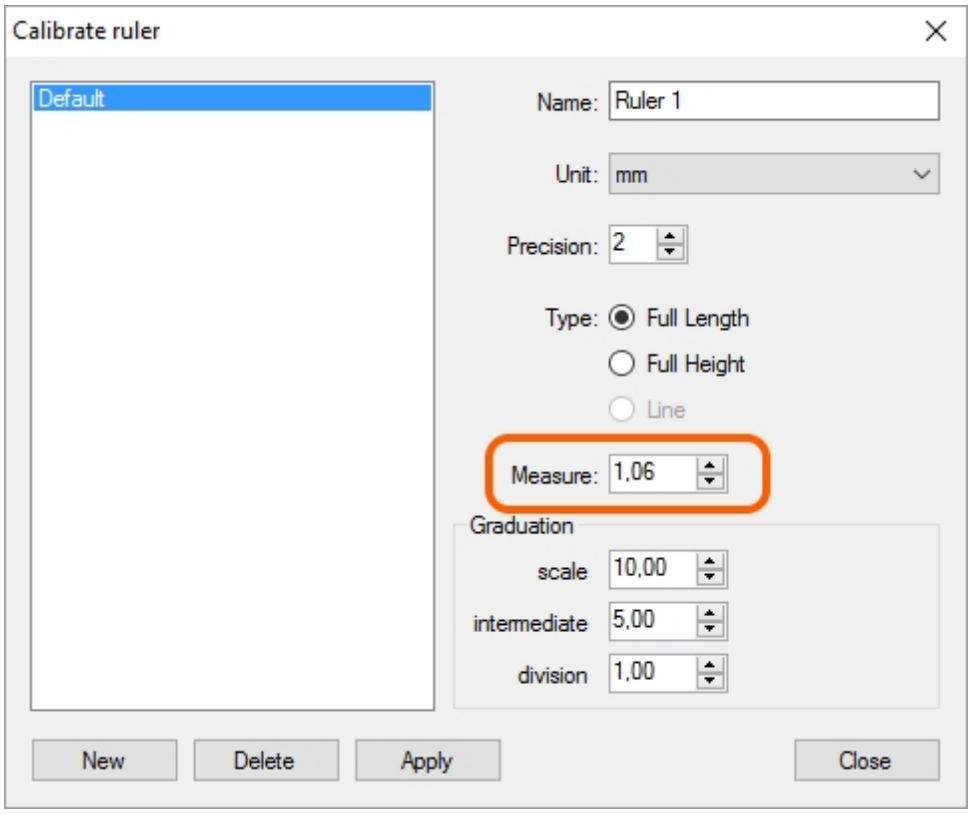
If you select **Full Length** place your reference measurement parameter to it occupies all length of the preview, if you select **Full Height** - all height.




inPhoto Capture PS
File
View
Camera
Live View
Admin
Full Height
Capture to TWAIN
Capture to File
Rotate Right
Rotate Left
Update AE/AF
Camera settings
Processing settings
Profile
-
+
Zoom: 0
Подключена камера PS Canon PowerShot SX150IS 100A
Original: 320x240
Current: 560x420
Scale: 175%
B: DC

Measure - calibration factor




Calibrate ruler
Default
Name: Ruler 1
Unit: mm
Precision: 2
Type: Full Length
Full Height
Line
Measure: 1,06
Graduation
scale 10,00
intermediate 5,00
division 1,00
New
Delete
Apply
Close

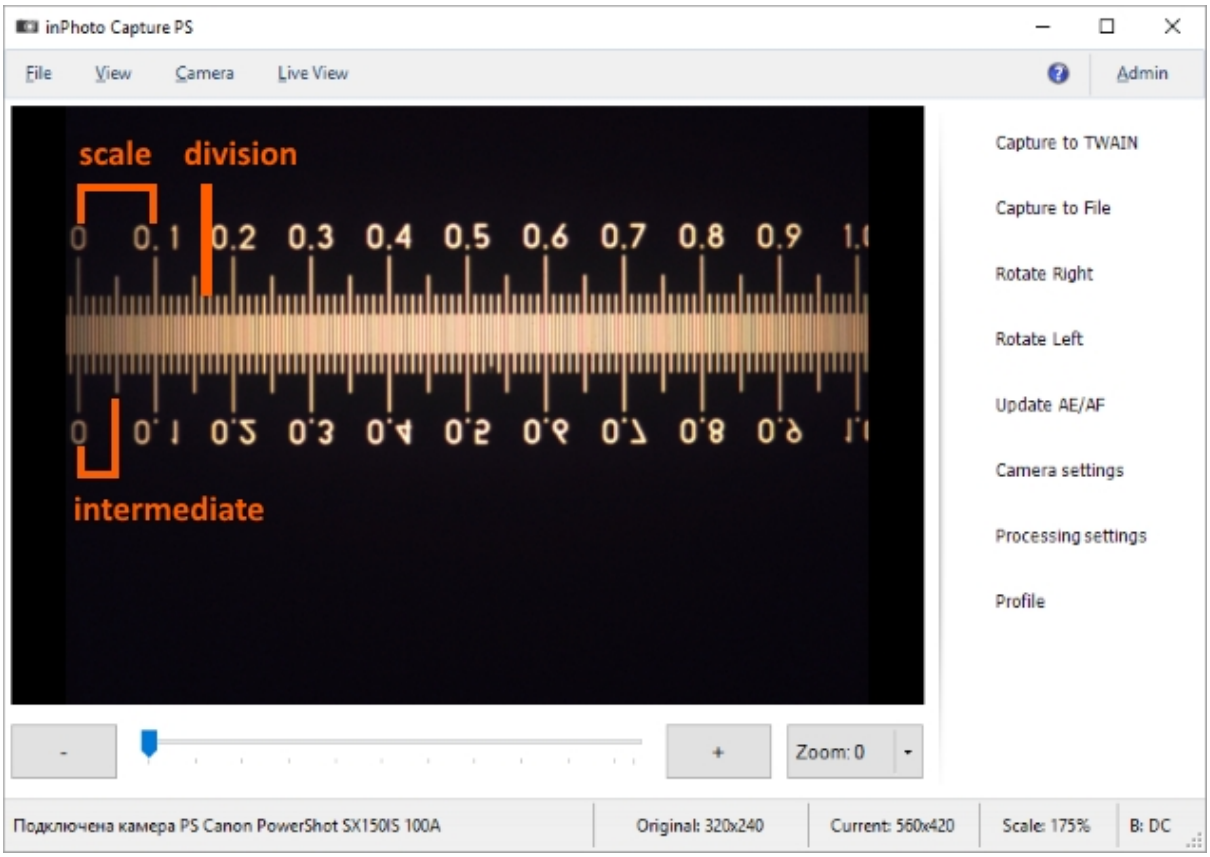
Graduation - divisions for the measurement scale

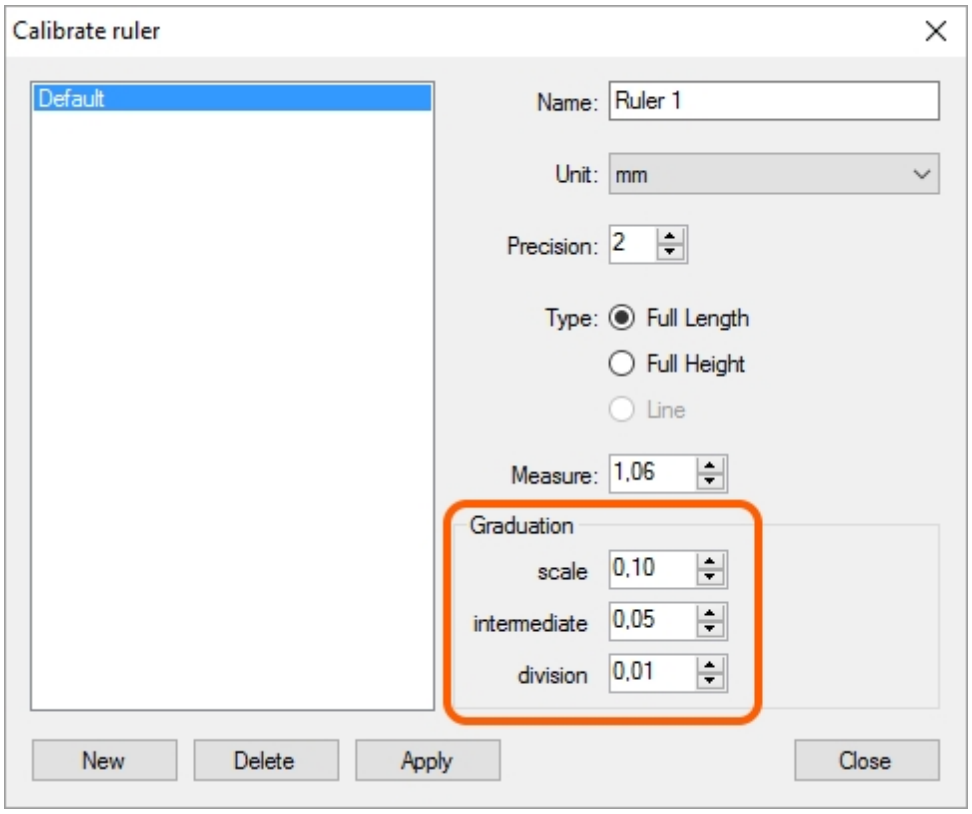
scale - basic

intermediate - intermediate, auxiliary

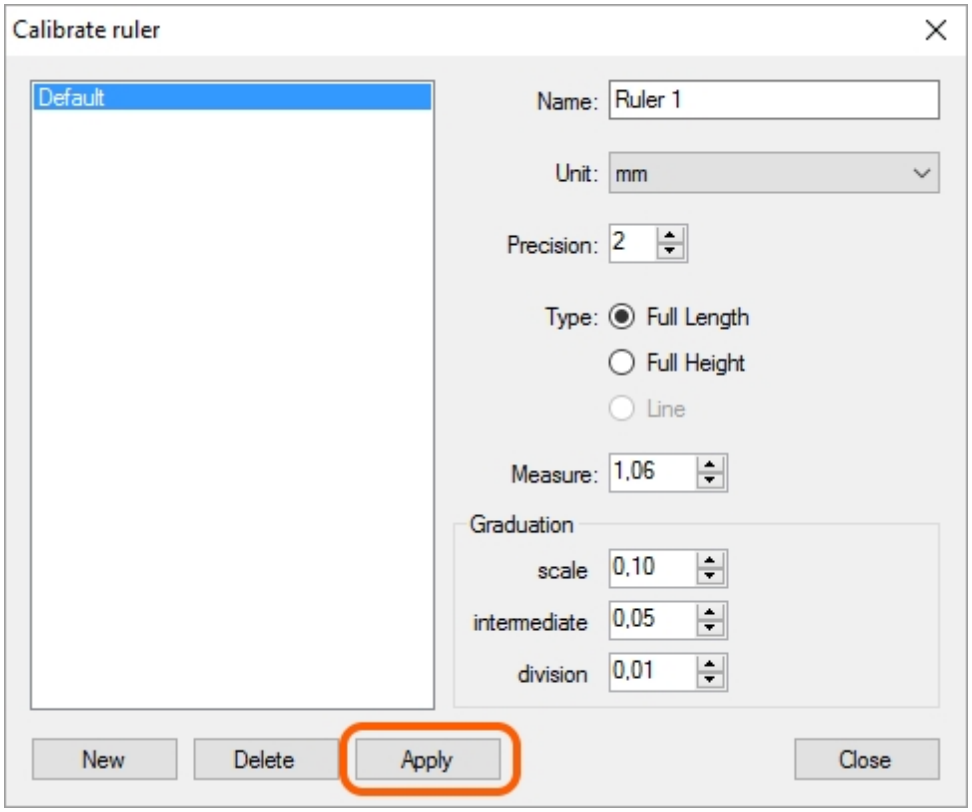
division - minimum

The intermediate and minimum divisions must be multiply of the basic division.

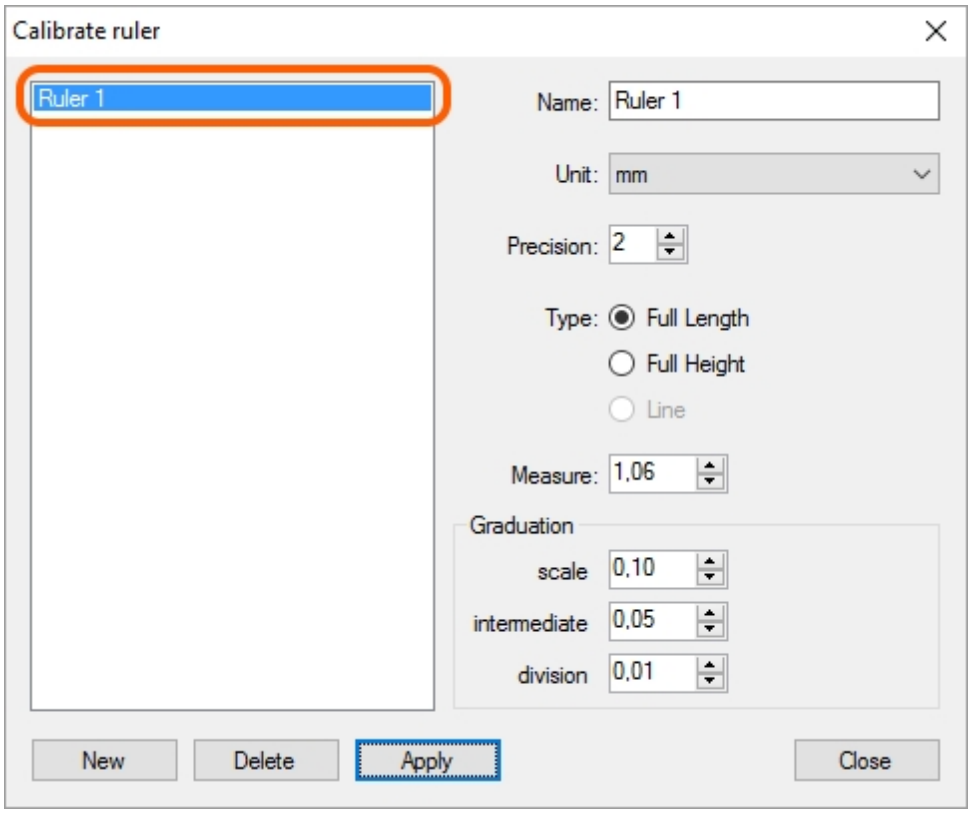



Calibrate ruler
Default
Name: Ruler 1
Unit: mm
Precision: 2
Type: Full Length
Full Height
Line
Measure: 1,06
Graduation
scale 0,10
intermediate 0,05
division 0,01
New
Delete
Apply
Close

Step 5. Click the **Apply** button to save and apply the created Calibrate ruler.



The ruler is added in the list.The configuration of the Calibrate ruler is done.



Click the **Close** button to close the form.

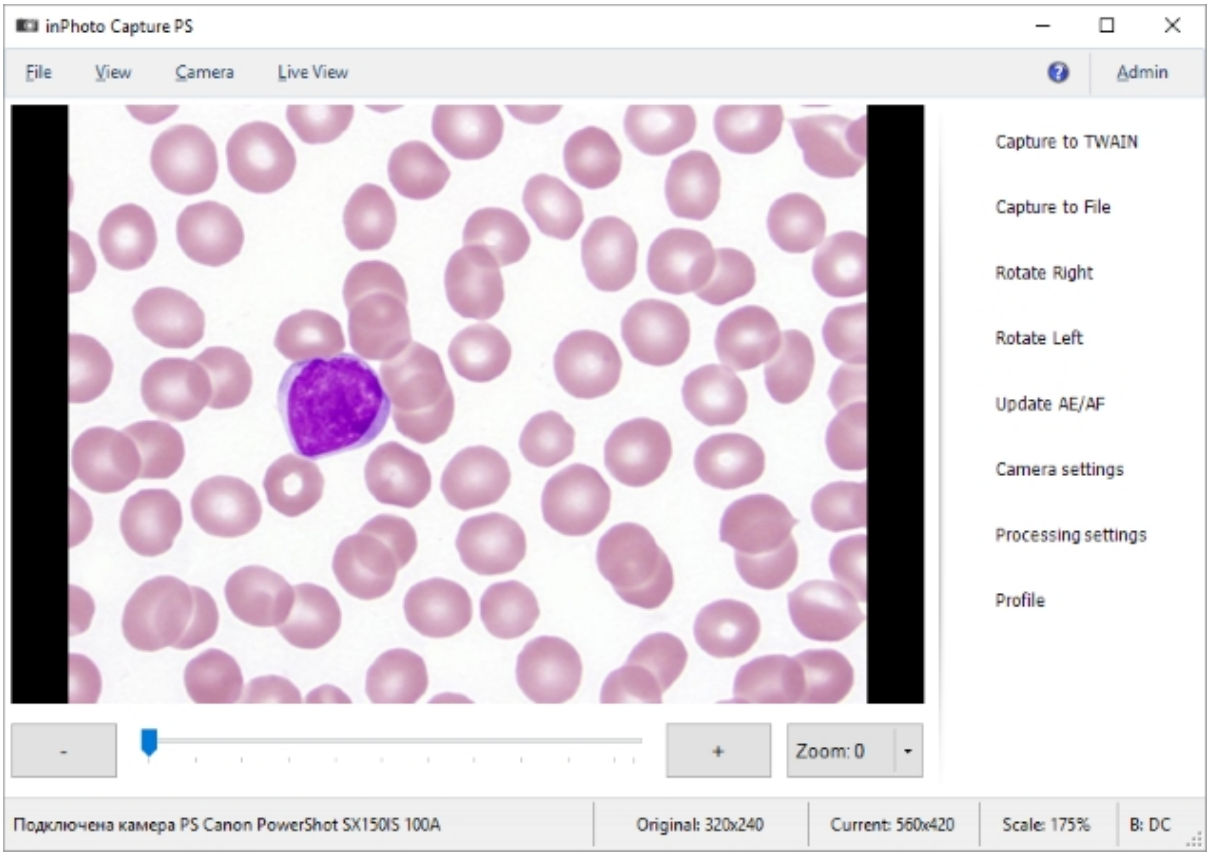
If you change place of the camera, zoom, resolution, size of the **inPhoto Capture PS** window etc. you will need reconfigure Calibrate ruler.

2 How to use the Calibrate ruler

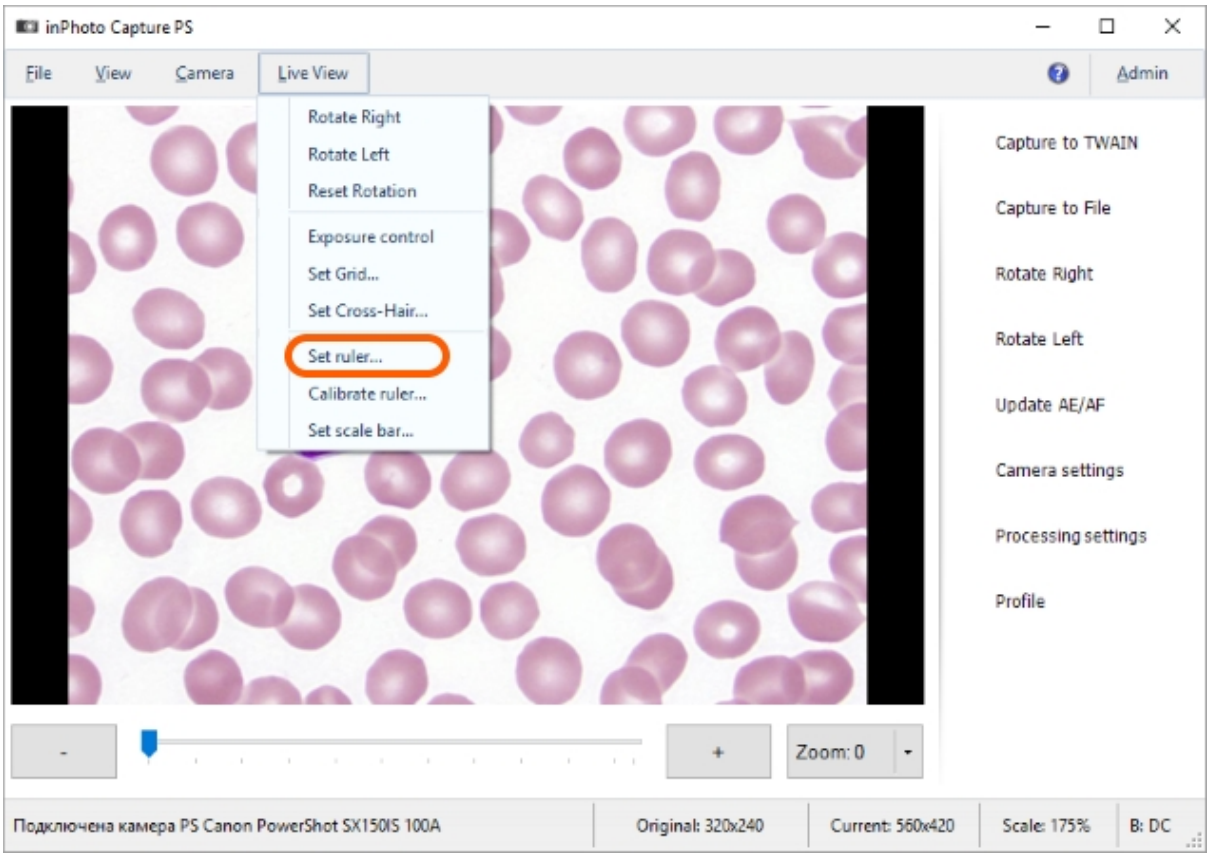
After you have configured the Calibrate ruler you can move to the measurement.

Step 1. Instead of your reference measurement parameter place object you want to measure.

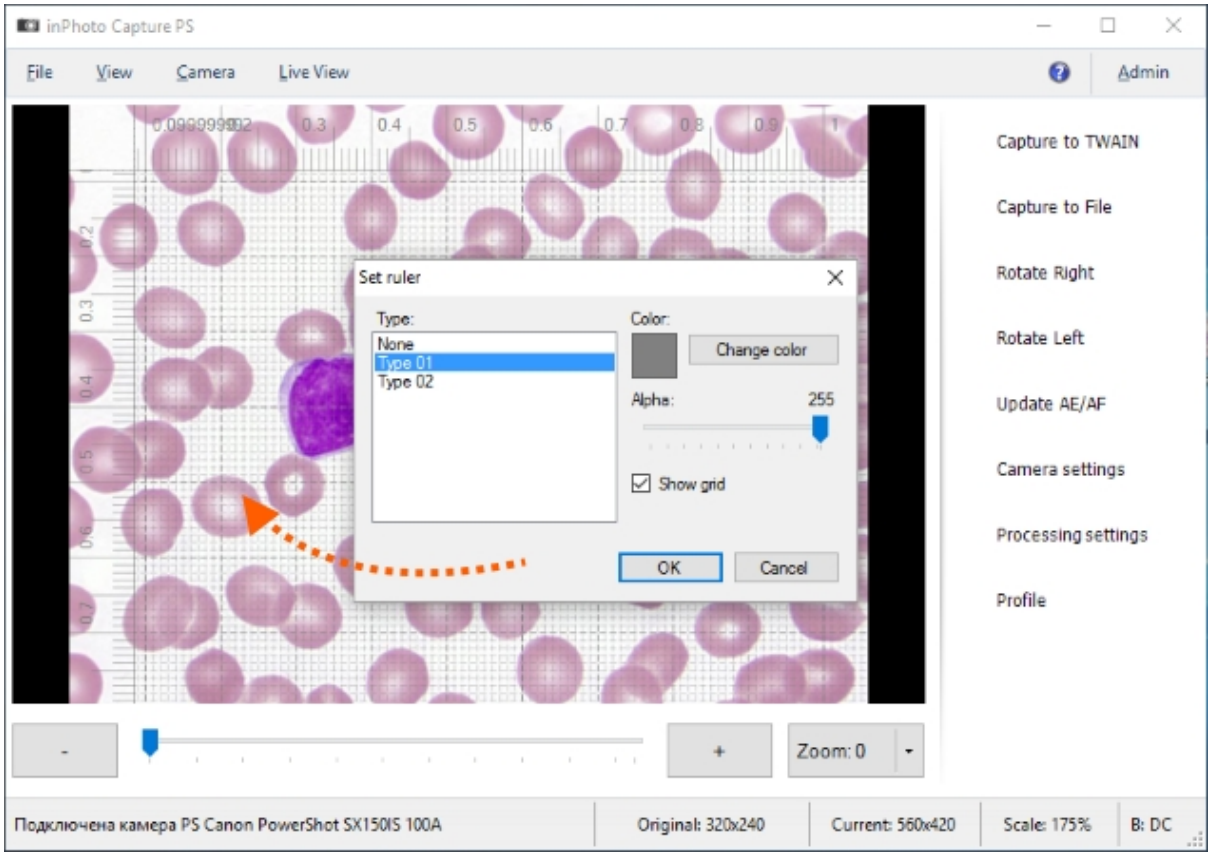
If you want to change position or settings of a camera, a microscope or a workbench you will need reconfigure the Calibrate ruler!



Step 2. To apply the ruler open the **Live View** menu > **Set ruler**.

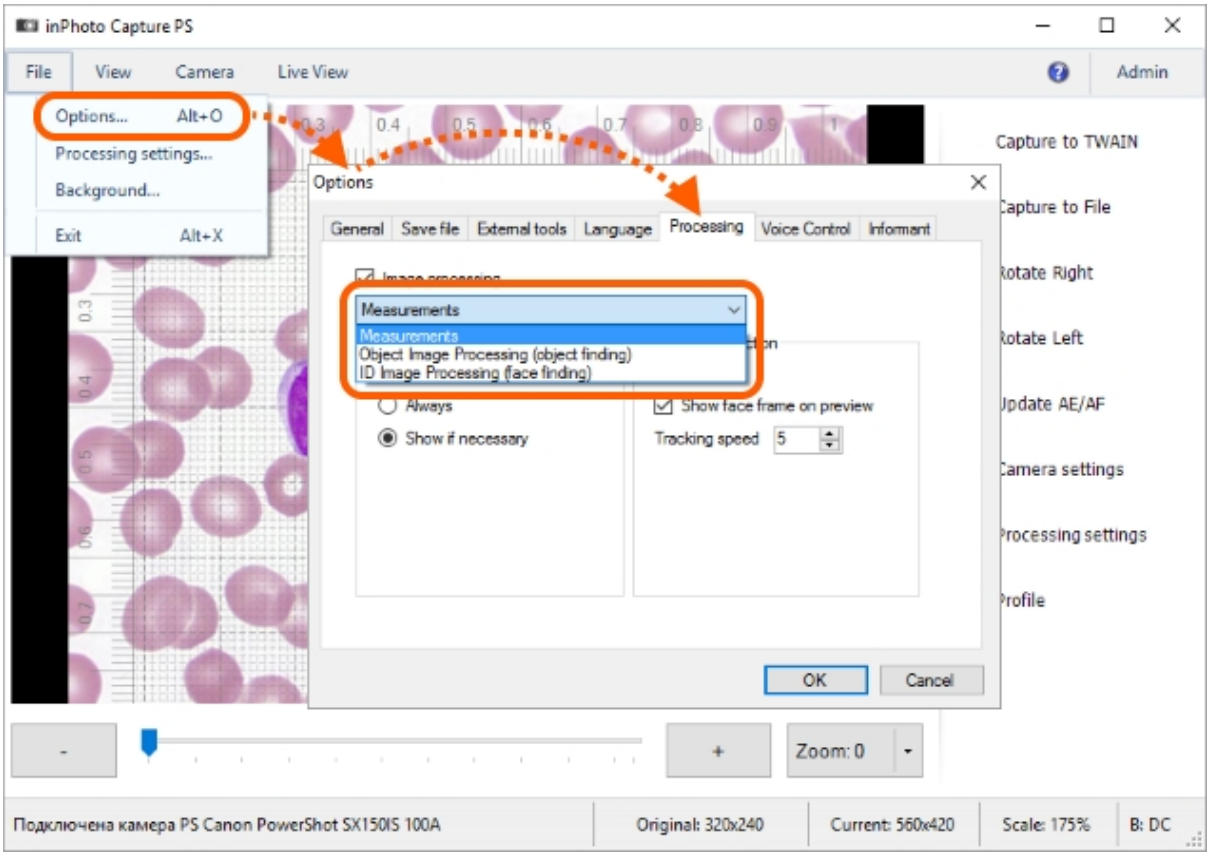


In the appeared window, choose the type, color, transparency of the ruler and show or not grid. Your settings will be displayed on the preview immediately.

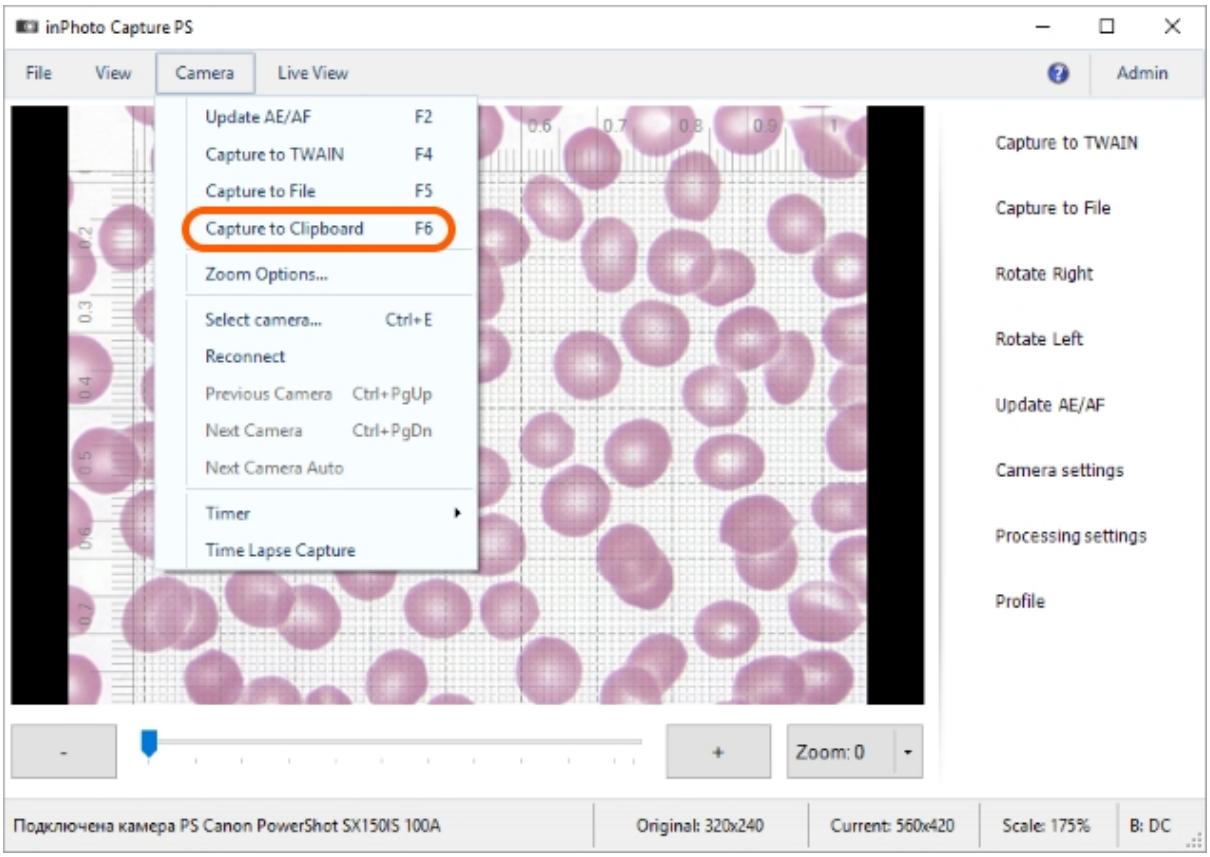


Now, you can see object size in real measuring units.

Step 3. Open the **File** menu > **Options** > **Processing** tab and select the **Measurement** value to enable the measurement function.



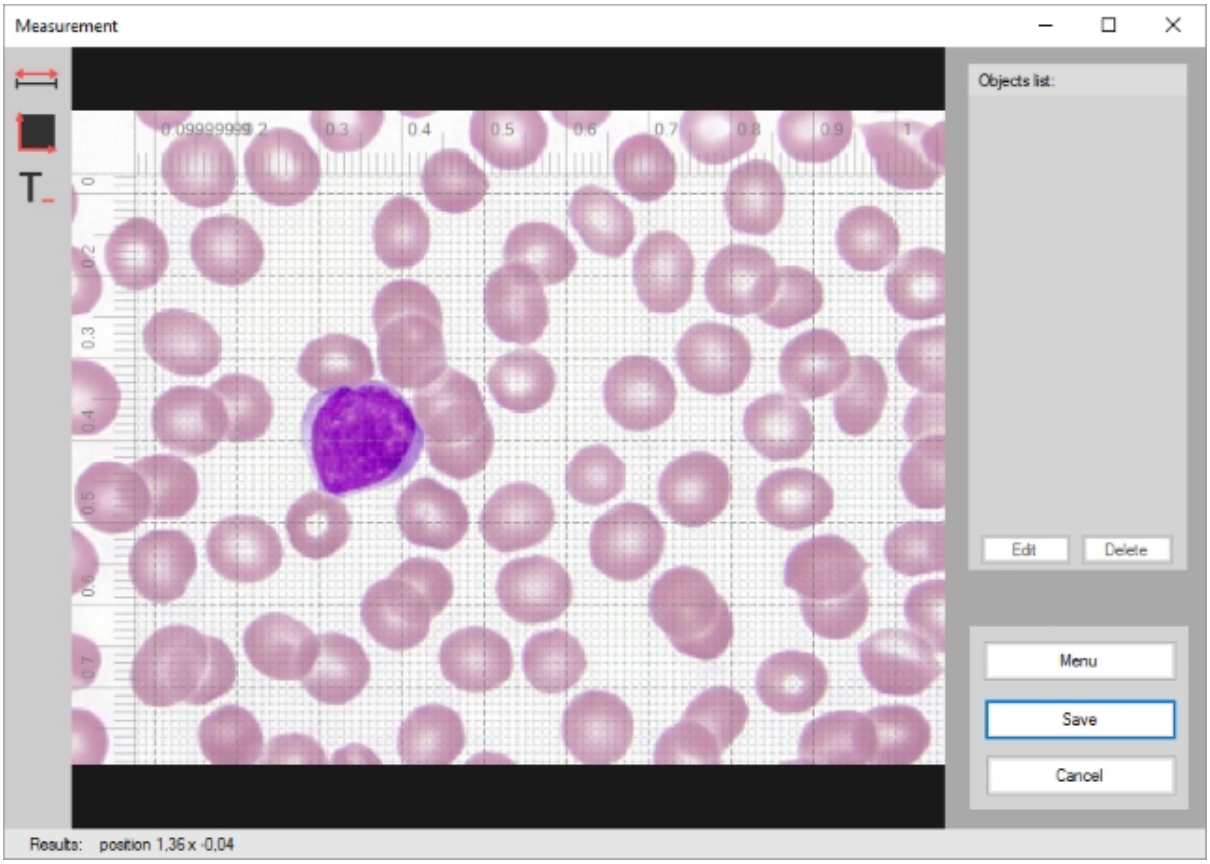
Step 4. To capture the image to clipboard open the **Camera** menu > **Capture to Clipboard**.



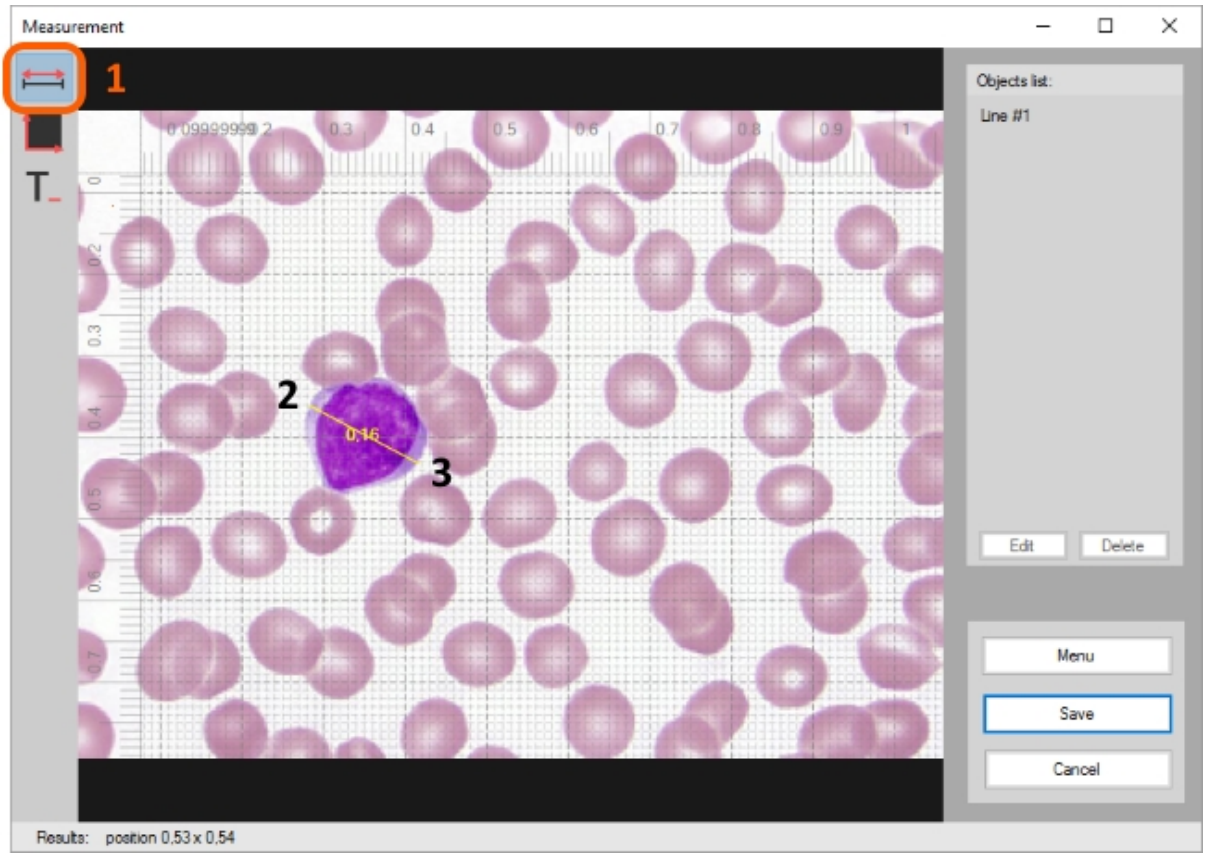
Step 5. In the appeared window, you can:

- manually measure the object using the line
- draw the rectangle around the object and see the area and the perimeter of the rectangle
- add the text on the image

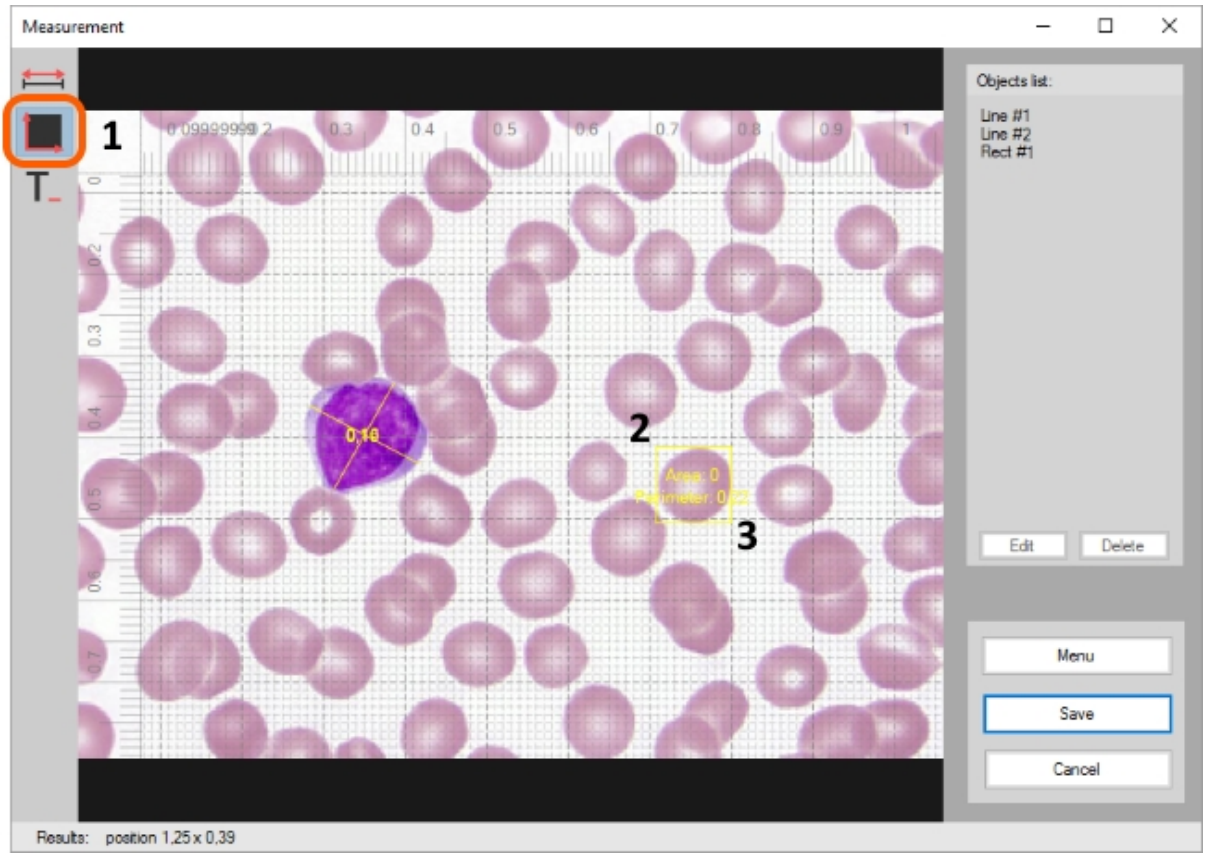
- change the settings of the **Calibrate ruler**
- change the settings of the **Ruler**



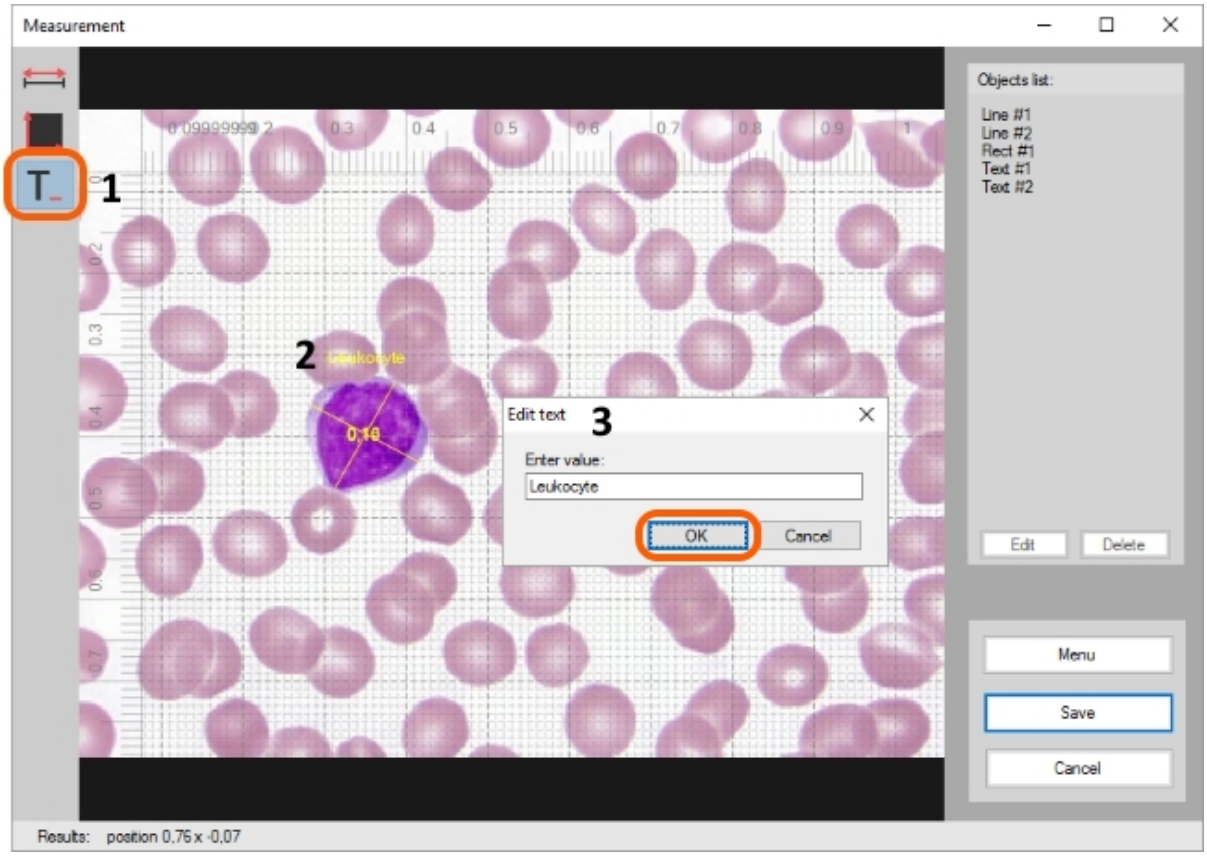
To apply the **Line** tool select it on the toolbar > move the mouse in the point from which you wont to begin measurement > press the left mouse button > move the mouse to the point in which you wont to finish measurement > free the mouse button. The line length is specified on the line.



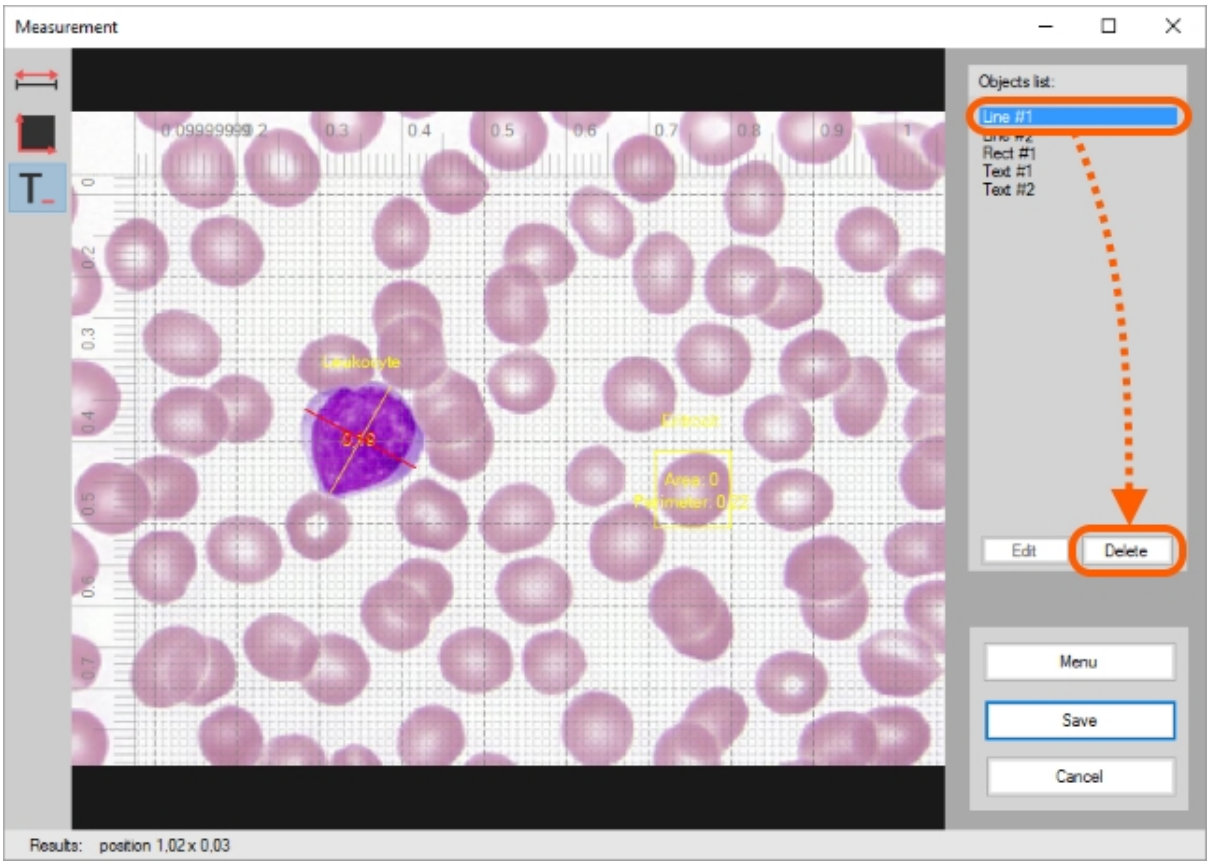
To apply the **Rectangle** tool select it on the toolbar > move the mouse in the point from which you wont to begin to draw rectangle > press the left mouse button > move the mouse to the point in which you wont to finish to draw rectangle > free the mouse button. The area and perimeter of the rectangle are specified in its centre.



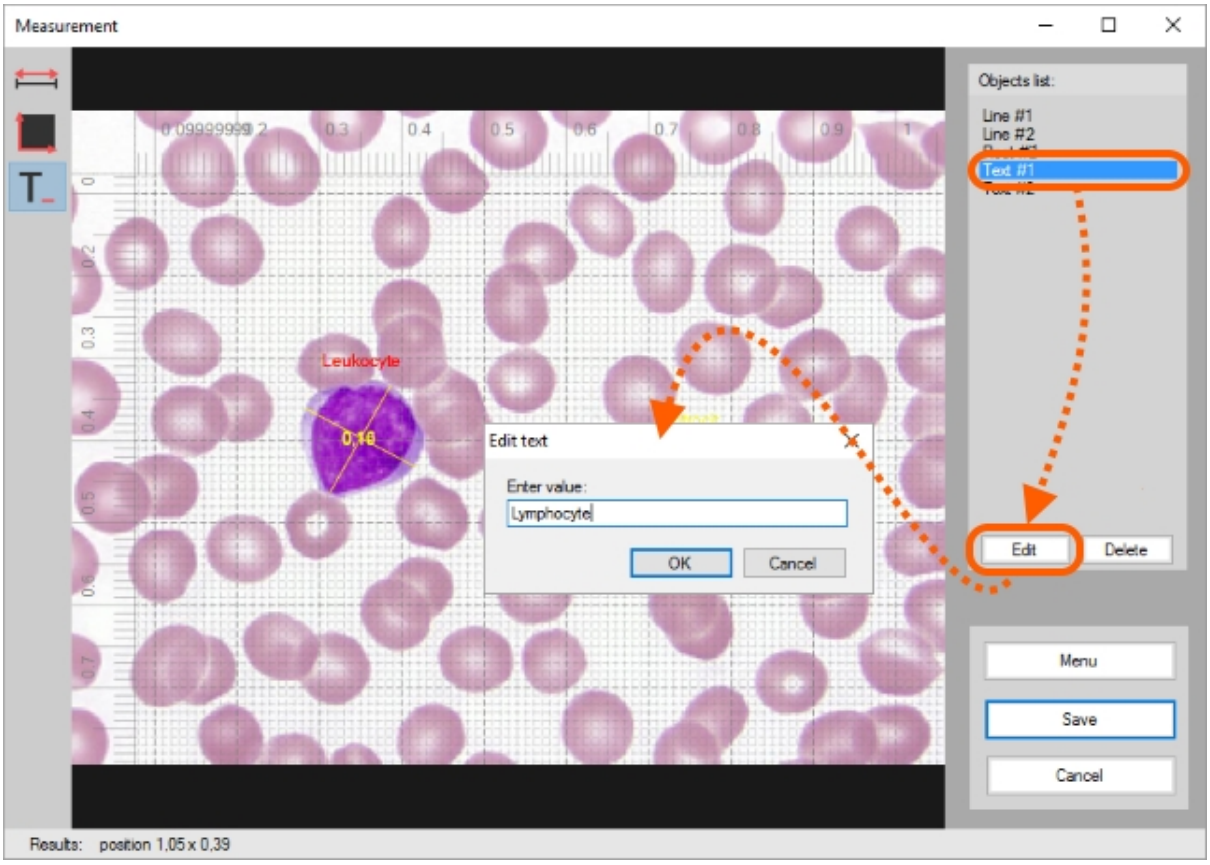
To apply the **Text** tool select it on the toolbar > click in the point where you wont to locate the text > in appeared window, enter the text and click **OK**.



To delete a tool select it in the **Object list** and click the **Delete** button.

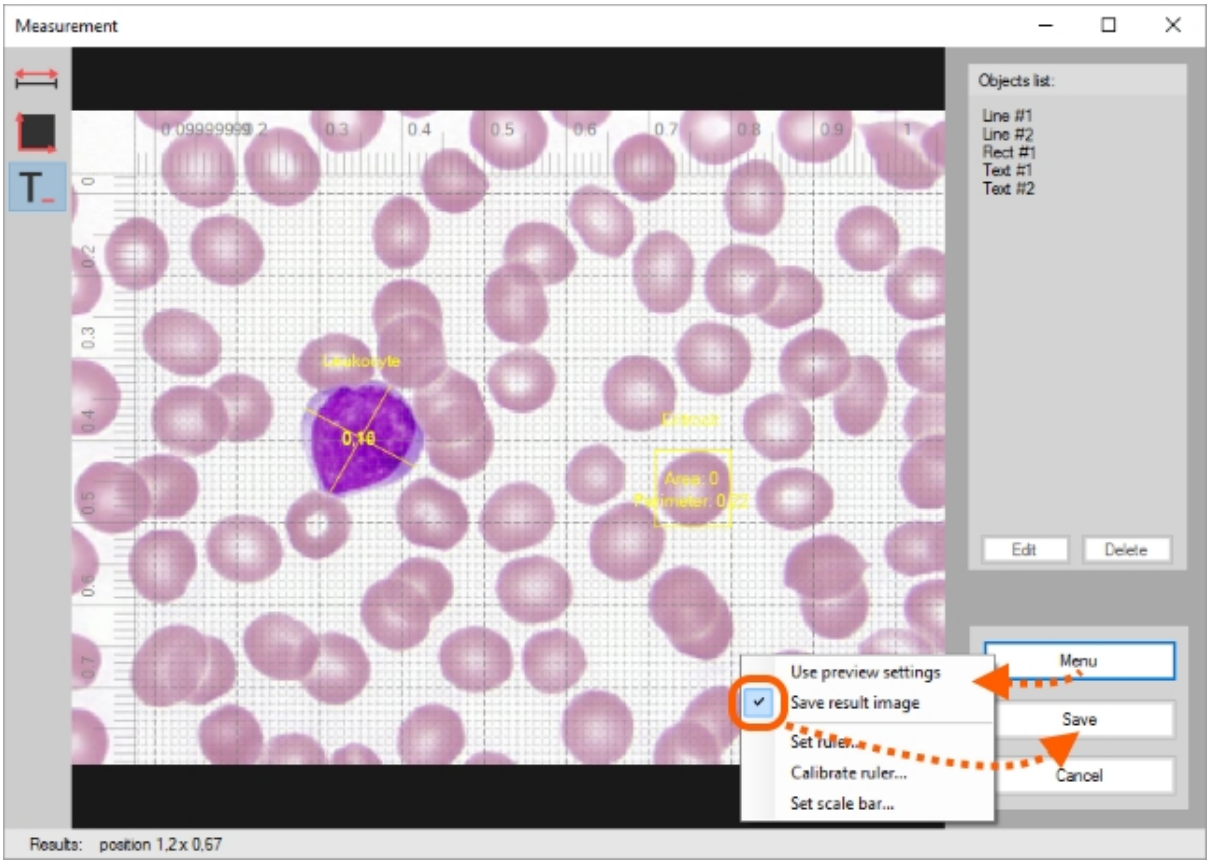


To edit the text select it in the **Object list**, click the **Edit** button, in appeared window, enter a new value and click **OK**.

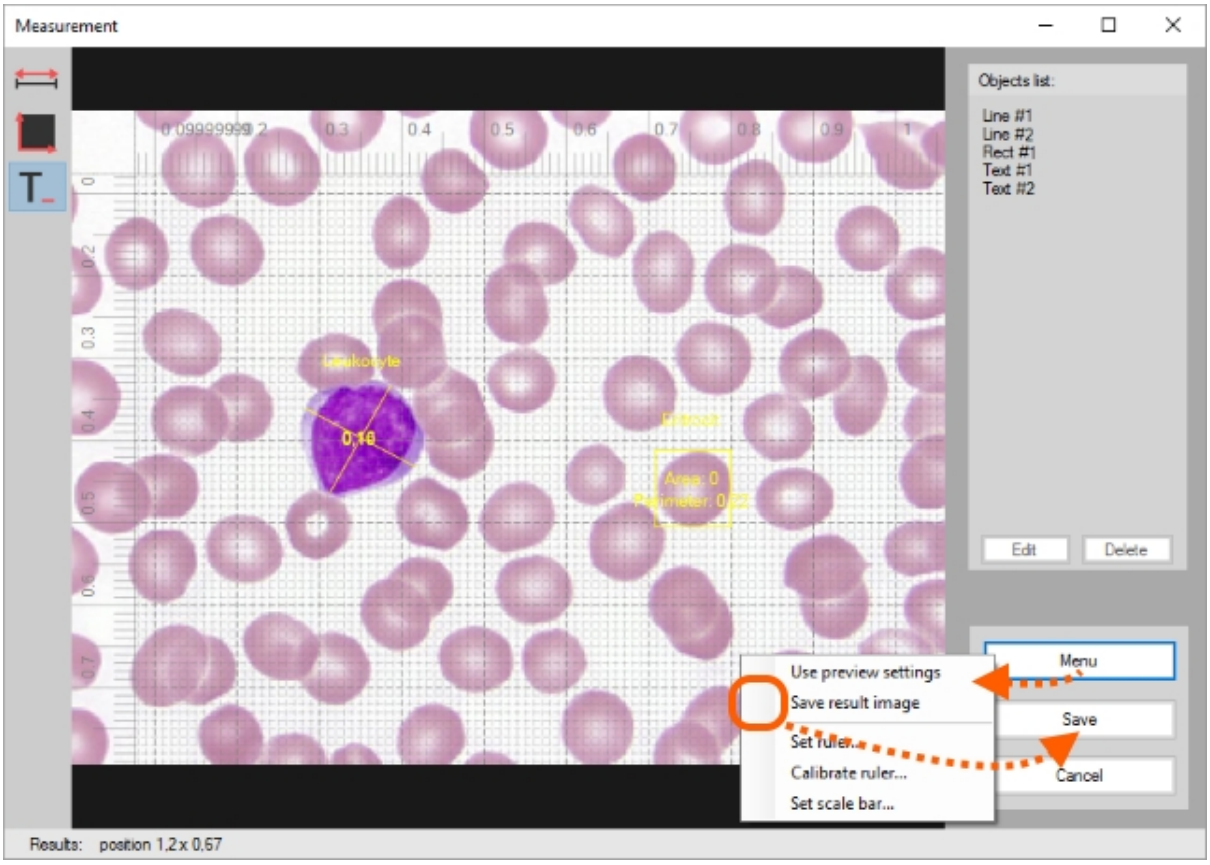


If you wont to change the **Calibrate ruler** or the **Ruler** settings click the **Menu** button and uncheck **Use preview settings**. After that, the **Calibrate ruler** and **Set ruler** unit will be available. Changes will be displayed in the **Measurement** window and applied to resulted image.

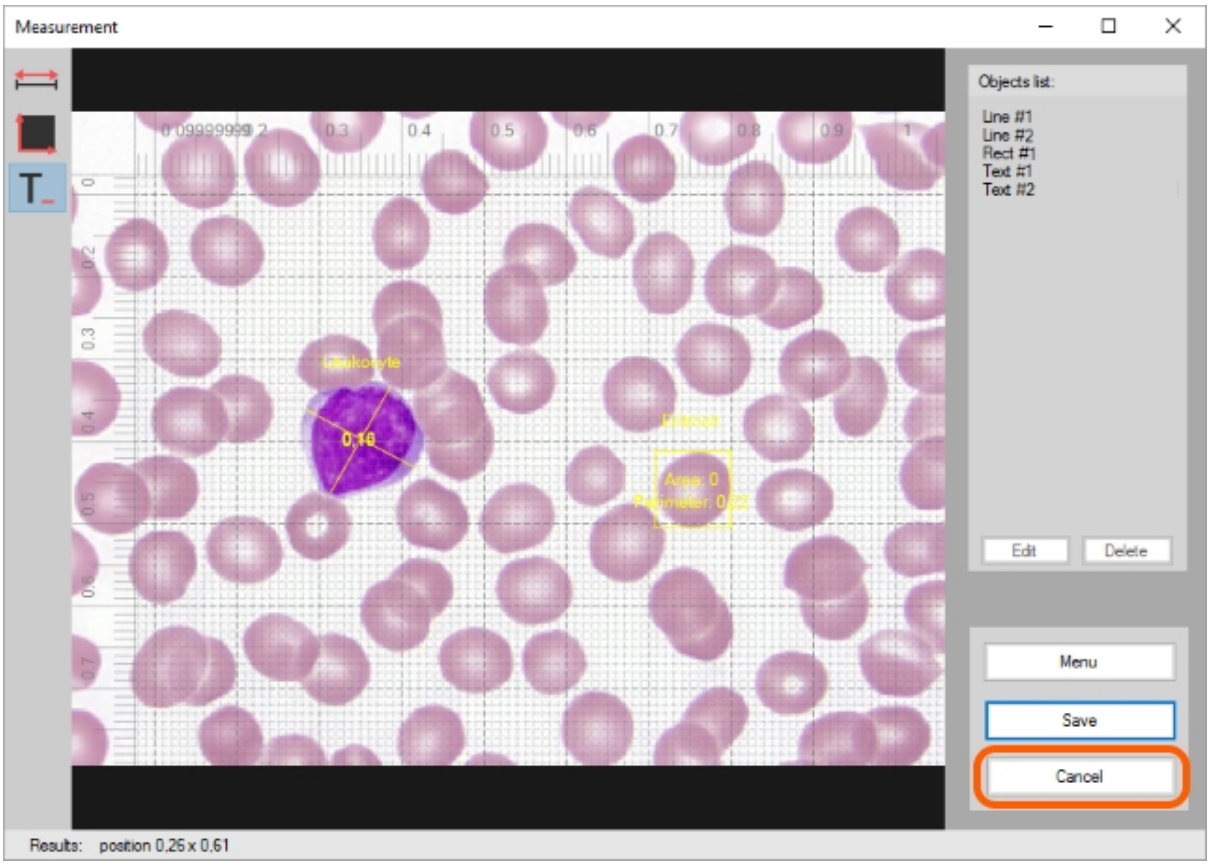
Step 6. To save the original image and the resulted image (with measurements) click the **Menu** button and tick **Save result image** then click the **Save** button.



If you want only to save the original image click the **Menu** button and uncheck **Save result image** then click the **Save** button.

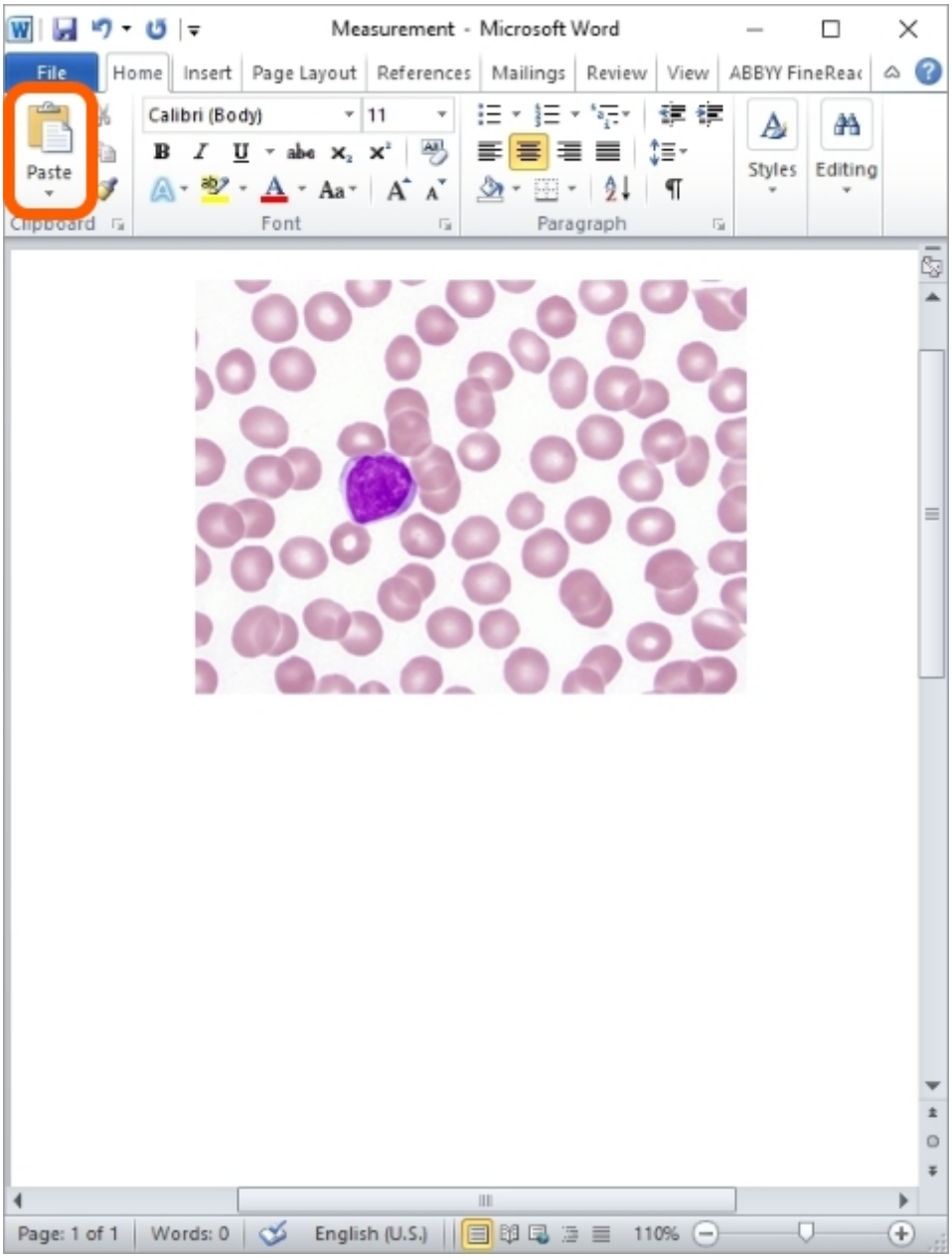


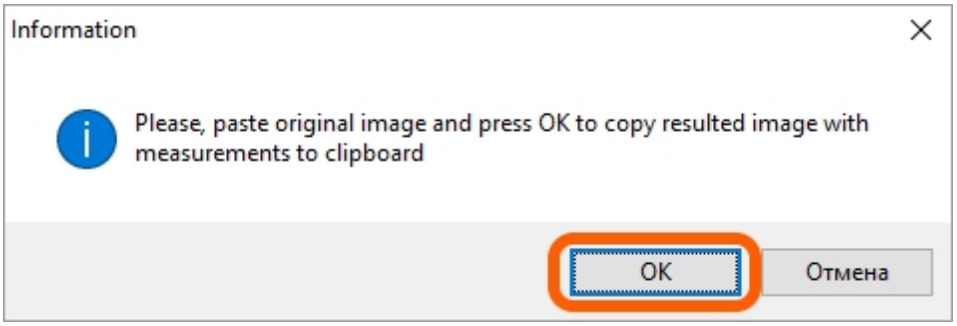
If you don`t want to save images click the **Cancel** button.

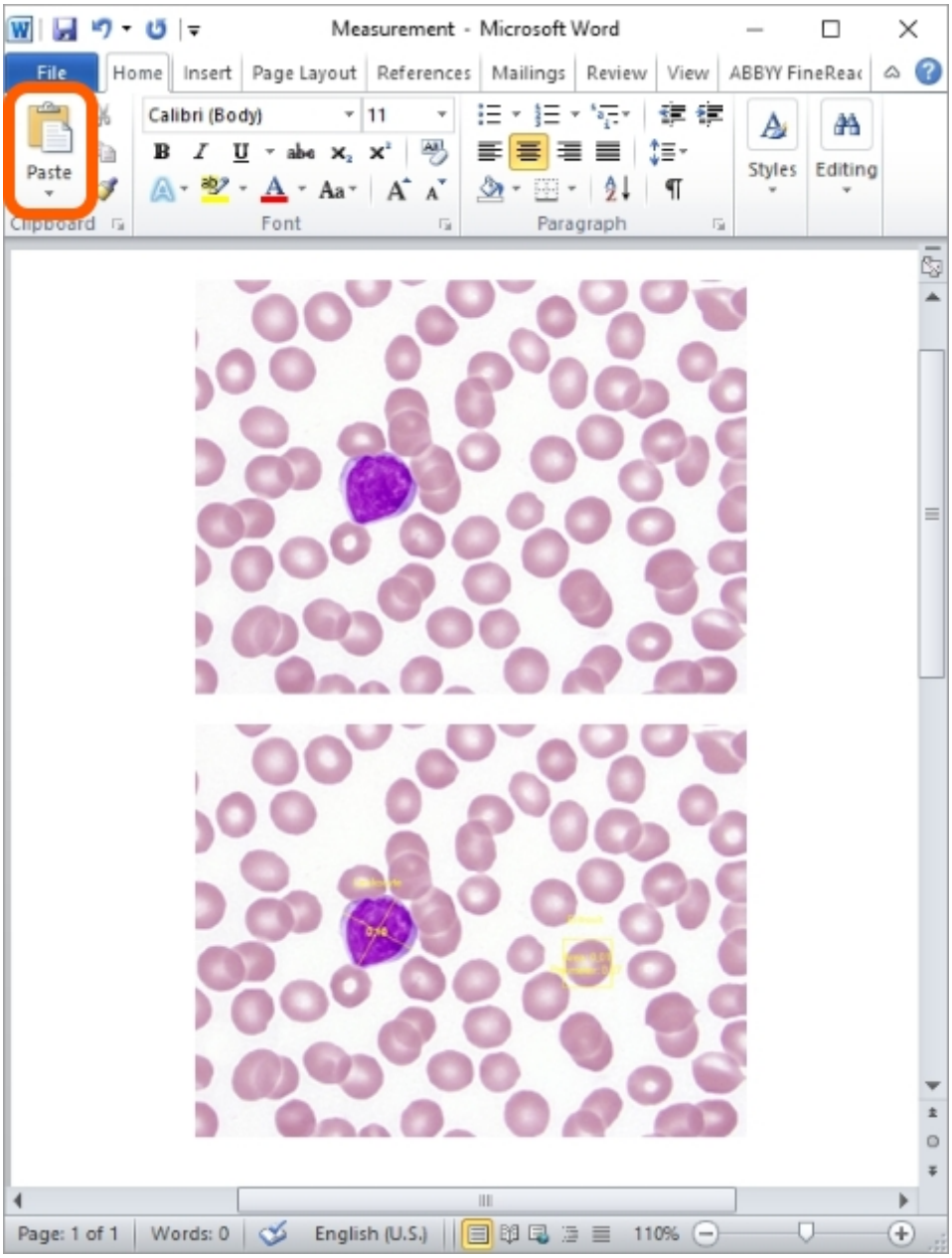


Step 7. Paste the images from the clipboard into your application. As an example we use **Microsoft Word**.

If you save the original and resulted image **inPhoto Capture PS** displays the message as shown in the picture below. In this case, paste the original image into your application then click **OK** in the message and paste the resulted image.




Information
Please, paste original image and press OK to copy resulted image with measurements to clipboard
OK
Отмена


Measurement - Microsoft Word
File
Home
Insert
Page Layout
References
Mailings
Review
View
ABBYY FineReac
Paste
Clipboard
Calibri (Body)
11
Font
Paragraph
Styles
Editing
Page: 1 of 1
Words: 0
English (U.S.)
110%

If you save only the original image just paste it into your application.