

## Counting colonies with imageJ

1. Download Colony\_Counter.jar from

<http://rsbweb.nih.gov/ij/plugins/colony-counter.html>

2. Install in plugins folder of imageJ.

3. Restart imageJ and choose plugins>colony counter

4. Open image. This counter seems to work best with 8 bit images so if image is 16 bit (images from the Alphaimager are 16 bit), change to 8 bit with image>type>8-bit.

5. Save 8 bit image image (with new name). Then reopen with colony counter panel. Colony counter will automatically count and present results in results panel. You will need to change the default values to size min = 40 max = 600, circularity min=0.85 max=1.0. When you change a value hit ENTER and the plate will be recounted.

6. Use delete mode to see which colonies have been counted.

7. Colonies that are touching or v close together will not be counted but you can add these manually using 'add colony'.