

ProtoCOL 3

Inhibition Zone Batch Set Up - Quick Guide

Start ProtoCOL 3 software

1

Enter



➔ Log on to ProtoCOL 3

2

Position plate

➔ Insert the plate holder, ensuring the plate holder that gives the best contrast between the colony and background is used

➔ Place plate onto plate holder

Capture image

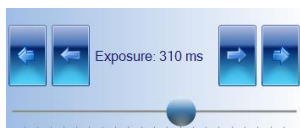
Click



➔ Select the image tab and check the live box

3

Slide



➔ Adjust the exposure by increasing/decreasing the sliding scale

Click



➔ Capture image

Create batch

4

Click



➔ Click New Batch

Plate configuration

5

Select



➔ Select Plate Configuration to set plate size, sample volume and threshold. Defaults are Circular plate 90mm, Spiral volume 100µl and threshold of 20. Change if necessary

Choose an application

6

Select

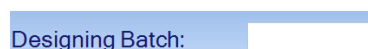


➔ Select Inhibition Zone

Name the batch

7

Enter



➔ Name the batch

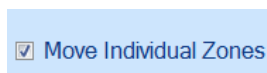
Zone classification

Select



8

Click



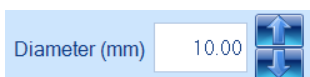
Click



- ➔ Select Zone Classification tab
- ➔ Select type of zone frame and the number of zones required
- ➔ Position the grid directly over the zones.
- ➔ To move individual measuring circles check the box and setting circle to the maximum zone size
- ➔ Zones can also be named on this page by clicking Rename Zones

Discs/wells present

Enter



or

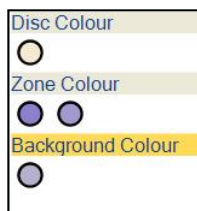


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- ➔ Indicate whether discs or wells are present
- ➔ If a well or disc is present enter the size of disc/well by entering the size directly into the box or by clicking on the text box and drag the circle to just outside the edge of the well or disc
- ➔ Click Next

Identify zones

Sample



Sample



Sample



10

- ➔ From Image click on an area of the disc or well to pick colour, repeat for zone and the background. Be sure to take representative samples from across the plate
- ➔ Click Next

Review zone measurements

Click



11

- ➔ If all zones are detected click Finish, if not repeat step 8 and ensure all of the zones are central

Measure

Click



Click



Click



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- ➔ Select Measure tab
- ➔ Test Measure Plate
- ➔ Assign a plate ID
- ➔ Accept batch

ProtoCOL 3 is now ready to make the first measurement

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