

ProtoCOL 3 2-Sector Spiral Batch Set-Up Quick Guide

1 Start ProtoCOL 3 software

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

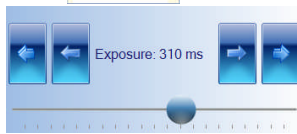
3 Capture image

Click



➔ Select the image tab and check the live box

Slide



➔ Adjust the exposure by increasing/ decreasing the sliding scale

Click



➔ Capture image

4 Create batch

Click



➔ Click New Batch

5 Plate configuration

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


6 Choose an application

Select



➔ Select Spiral

7 Name the batch

Enter 

➔ Name the batch

8 Total plate count

Click



➔ Position the counting frame over the colonies to be counted

Click



➔ Click Total Plate Count

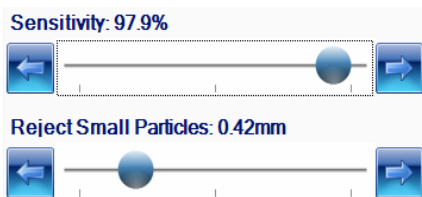
Select



➔ Select colony type from the drop-down, either Light or Dark Colonies

9 Classification settings

Slide



➔ Move slider to the left to adjust the detection sensitivity

➔ Move slider to the left to accept small particles or to the right to exclude small particles

Check

Split Touching Colonies

➔ If any colonies are touching select the Split function

10 Enter a plate ID

Enter



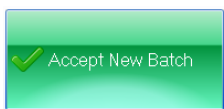
➔ Enter a plate ID found on Measure tab. Auto-increment default is "on", to change this click on the Configuration tab

Click



11 Accept batch

Click



➔ Accept batch

ProtoCOL 3 is now ready to make the first measurement

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