

ProtoCOL 3

Total Plate Count 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

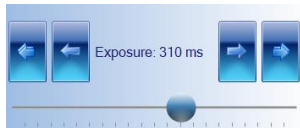
3

Click



➔ Select the image tab and check the live box

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, Sample volume 1ml. Change if necessary

Choose an application

6

Select



➔ Select Pour Plate

Name the batch

7

Enter 

➔ Name the batch

Total plate count

8

Click 

➔ Position the counting frame over the colonies to be counted

Click 

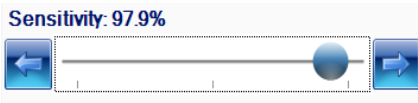
➔ Click Total Plate Count

Select 

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

Classification settings

9

Slide 
 Check Split Touching Colonies


➔ 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

➔ If any colonies are touching select the Split function

Enter a plate ID

10

Enter 

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

Click 

Accept batch

11

Click 

➔ Accept batch

ProtoCOL 3 is now ready to make the first measurement

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