

# ProtoCOL 3

## Spiral Dilution Series 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 Spiral Dilution Series

7

## Create dilution series

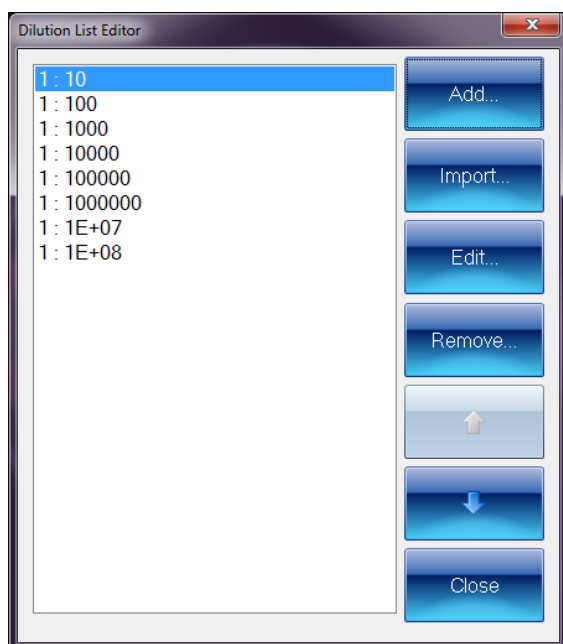


Click on the Dilution button

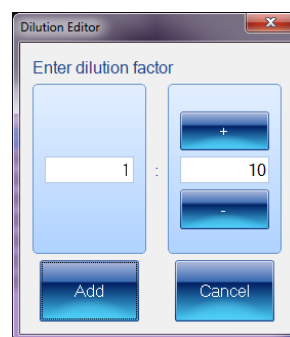
Users can use the list shown or create their own list by selecting Edit Dilution List

8

## Edit dilution series



Within the Dilution List Editor, dilutions can be manually added, added from a CSV file or a current list edited



Select Add to manually add a dilution list

Select Import and select a previously created CSV file

Select Edit to make adjustments to the current dilution series

Select Remove to delete a specific dilution factor from the list

Use the Up or Down arrows to change the order of dilution factors

## Name the batch

9

Enter

Designing Batch:

Name the batch

## Total plate count

10

Click



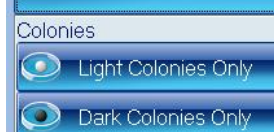
Position the counting frame over the colonies to be counted

Click



Click Total Plate Count

Select

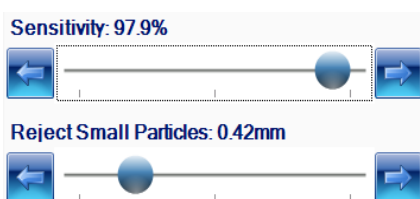


Select colony type from the drop-down, either Light or Dark Colonies

## Classification settings

11

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

## Enter a plate ID

12

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

13

Click



Accept batch

**ProtoCOL 3 is now ready to make the first measurement**

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