

ProtoCOL 3

OPKA 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, Spiral volume 100µl and threshold of 20. Change if necessary

Choose an application

6

Select



➔ Select OPKA

7

Name the batch

Enter

➔ Name the batch

8

Set frame

Click 

➔ Default 3 x 8 grid change if necessary by pressing OPKA frame button using the drop-down menu and select number of columns and rows

Click 

➔ Adjust the frame by dragging the outer edges

Check Adjust Zone

➔ To move individual zones, click on the ProtoCOL icon, select Batch Management and click Manage Restrictions

9

Total plate count

Click 
Select Light Colonies Only
 Dark Colonies Only



➔ Position counting frame over the colonies to be counted

➔ Click Total Plate Count

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

10

Classification settings

Slide 
Sensitivity: 97.9%
Reject Small Particles: 0.42mm

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

11

Enter

A screenshot of a software interface showing a text input field with the label "Plate ID" above it. The field is empty and has a light blue border.

Click



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

Accept batch

12

Click



Accept batch

ProtoCOL 3 is now ready to make the first measurement

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