ProtoCOL 3
Colour Classification 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

Exposure: 310 ms

➡ Adjust the exposure by increasing/ decreasing the sliding scale

Click

Capture Image

➡ Capture image

4 — Create batch

Click

New Batch

➡ Click New Batch

5 — Plate configuration

Select

Plate Configuration

➡ Select Plate Configuration to set plate size, sample volume and threshold. Defaults are Circular plate 90mm, Sample volume 1ml. Change if necessary

6 — Choose an application

Select

Pour Plate

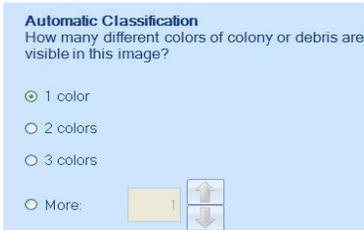➡ Select Pour Plate

Colour classification

(7)

Select → Select Colour Classification tab

Select → Automatic Classification default is 1 colour. If a total count is required keep 1 colour selected. If differentiation by colour is required, select how many different colours are present on the plate
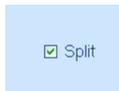
Classification results

(8)

Slide → Move slider to the left to accept small particles or to right to exclude small particles

→ If any colonies are touching select the split function

Check → To distinguish between two colours there may be a requirement to check Remove Fringes Around Colonies to make the colony appear as a solid colour

Check → Click Next

→ Click Finish

Measure

(9)

Select → Select the Measure tab

Click → Test measure plate

→ Assign a plate identification template name

Click → Accept batch

Enter → Name the batch

ProtoCOL 3 is now ready to make the first measurement