Protos 3 Colour Classification - Batch set-up Quick Guide

(1) **Start Protos 3 software**

Click

➡ Run Protos 3

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(2) **Position plate**

➡ Insert the plate holder, ensuring the plate holder which gives the best contrast between the zone and background is used

➡ Place plate onto plate holder

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(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

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(4) **Create batch**

Click

➡ Click New Batch

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(5) **Plate configuration**

Click

➡ Defaults are Circular plate 90mm Sample volume 1mL Change if necessary

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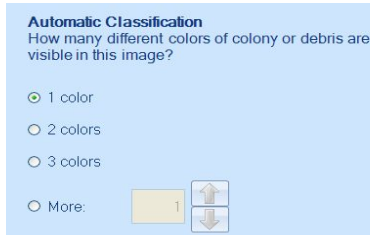**(6)** **Choose plate type**

Select

➡ Choose a plate type

7 Colour classification

Select

Colour Classification

➡ Select Colour Classification tab

Select

Automatic Classification
How many different colors of colony or debris are visible in this image?

⦿ 1 color
○ 2 colors
○ 3 colors
○ More: 1

➡ 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
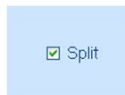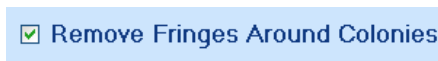
8 Classification results

Slide

Reject Small Particles: 0.10mm

☑ Complete Colonies Across Frame

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

Check

☑ Split

➡ If any colonies are touching select the Split function

Check

☑ Remove Fringes Around Colonies

➡ To distinguish between two colours there maybe a requirement to check Remove Fringes Around Colonies to make the colony appear as a solid colour

➡ Click Next

➡ Click Finish

9 Measure

Select

Measure

➡ Select the Measure tab

Click

Test Measure Plate

➡ Click Test Measure Plate

➡ Assign a plate identification template name

Click

✓ Accept New Batch

➡ Accept batch

Enter

Designing Batch:

➡ Name the batch

Protos 3 is now ready to make the first measurement

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