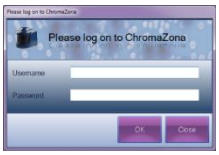
ChromaZona
Antibiotic Susceptibility Batch Set Up - Quick Guide

1 Start ChromaZona software

Enter



➡ Log onto ChromaZona

2 Position plate

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

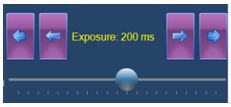
➡ Place plate onto plate holder

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

4 Create batch

Click

➡ Click New Batch

5 Plate configuration

Select

➡ Select Plate Configuration to set plate size and sample volume. Defaults are circular plate, 90mm, sample volume 1mL. Change if necessary

6 Choose an application

Select

➡ Select Antibiotic Susceptibility

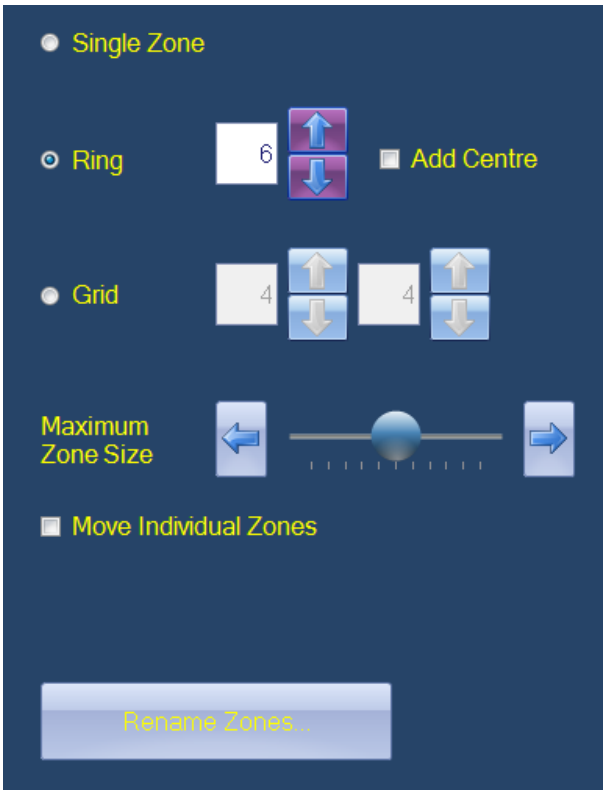
7 Name the batch

Enter

➡ Name the batch

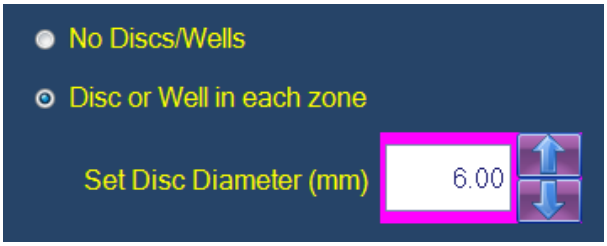
8 Zone classification

Select 



- Select Zone Classification tab
- Select type of zone frame and the number of zones required
- Position the grid directly over the zones. To move individual measuring circles check the box and setting circle to the maximum zone size
- Zone sizes can be adjusted using the Maximum Zone Size slider. Ensure the zone size is larger than the zones present on the plate. The zone size graticule can appear larger than the plate, this is no issue for the software to correctly measure
- Zones can also be named on this page by clicking Rename Zones
- Once satisfied with the zone selection, press Next

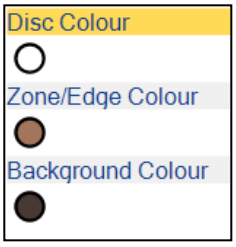
9 Discs/wells present



- Indicate whether discs or wells are present
- If a well or disc is present enter the size of disc/well by entering the size directly into the box or by clicking on the text box and drag the circle to the edge of the well or disc
- Click Next

10 Identify zones

Sample **Sample** **Sample**



- From Image click on an area of the disc or well to pick colour, repeat for zone and the background. Be sure to take representative samples from across the plate
- Click Next

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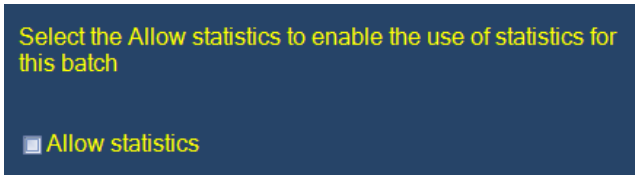
Allow Statistics



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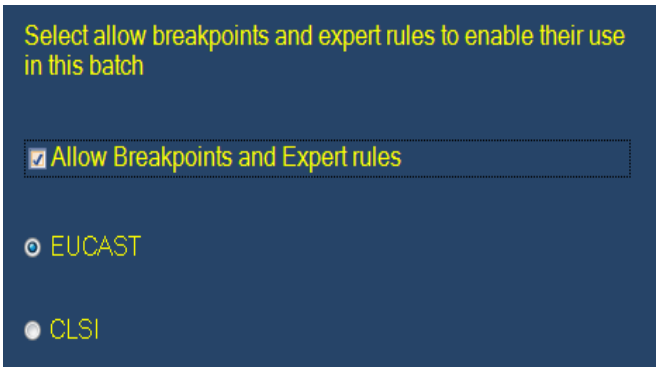
Allow Breakpoints and Expert Rules



- This step allows you to choose between EUCAST / CLSI guidelines or to use manual breakpoint entries
- In EUCAST and CLSI batches, manual entries can be added
- Manual batches are for manual entries only

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Review zone measurements

Click 

- If all zones are detected click Finish, if not repeat step 8 and ensure all of the zones are central

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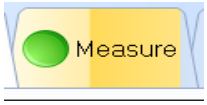
Measure

Click 

- Select Measure tab

Click 

- Test Measure Plate
- Assign a plate ID

Click 

- Accept batch

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Measure Plate

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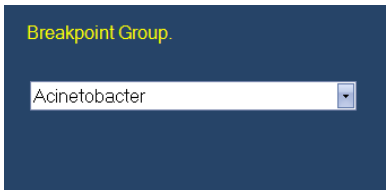
Choose breakpoint group



➡ This step allows you to choose the organism/group of interest from a drop-down list

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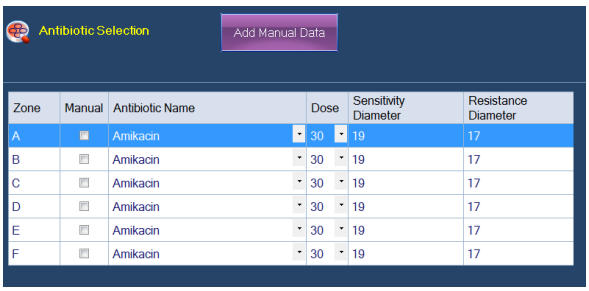
Select antibiotic information



➡ Depending on your selection in step 12, either select EUCAST/CLSI antibiotic information from the dropdown menu or enter information manually

➡ Press FINISH

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View AST data in the results tab

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