



Validation Procedure for ProtoCOL 3 Zone Measurement

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Validation Procedure

Requirements

ProtoCOL 3 Zone System or ProtoCOL3 Count System with Zone Reading software enabled
Zone Measurement Validation Sample Plate
ProtoCOL 3 Zone User Manual
Familiarity with ProtoCOL 3 software

Zone Measurement Validation

1. Insert the zone measurement validation sample plate into the ProtoCOL 3.
2. Log on to the system, and then log on to the software.
3. Create your Validation Test batch, by clicking New Batch.
4. Select "Inhibition Zone" from the plate types offered
5. Name the batch "Validation Test".
6. Check the camera exposure by clicking on the "Image" tab and adjusting the exposure as necessary: it should be between 200-300ms. When image is acceptable click "Capture Image".
7. Click the "Zone Classification" button, choose the "Ring" configuration and leave the number set to 6. Adjust the size of the zones as needed (if necessary, move individual zones by checking the box entitled "Move Individual Zones") to **ensure the black zones are directly in the centre of the 6 measurement frames** and click "Next".
8. Select No Discs/Wells, click Next.
9. Highlight "Zone Colour" and click on one of the black zones to identify its colour. Highlight "Background Colour" and click on the background to identify its colour, Click "Next".
10. Review measurements. If any are offset repeat Classification and ensure the black zones are directly in the centre of the 6 measurement frames.
11. Press Finish.
12. Complete the zone classification by selecting the measure tab and perform a test measurement by clicking "Test Measure Plate".
13. The measurements should be within +/- 0.5mm of those stated on the test plate. If you wish to enter the result into the instrument's database, name and accept the batch and perform the count again.