SCHISTOSCOPE 5.0
USER MANUAL

INclusive diagnoStics for Poverty RElated parasitic Diseases (INSPIRED)
The Schistoscope

Front View

Back View

INclusive diagnoStics for Poverty RElated parasitic DiSeseS (INSPIRED)
Controls

Graphical User Interface

- Minimise/Maximise camera preview window
- Move up
- Focus in
- Move left
- Move right
- Move down
- Focus out
- Move to center position
- Move to home position
- Capture whole membrane images
- Capture FoV image
- Auto focus
- Find upper edge of membrane
- Display automated detection result
- Abort procedure
- Exit application software

Keyboard

- Move up
- Focus in
- Move right
- Focus out
- Move down
- Move left
Start-up Schistoscope

1. Power on the Schistoscope using the power switch located at the back of the device. Booting takes about 15 seconds.

2. Launch Schistoscope Graphical User Interface by double clicking the Schistoscope desktop icon

3. Select "Execute in Terminal" on the pop-up window
Capture Whole Membrane Images

1. Insert sample slide into the slide holder compartment as shown on the image below.

2. Adjust the objective such that it's placed directly on the membrane using the left, right, up and down arrow buttons.

3. Focus on the sample using the "+" and "-" button.
Capture Whole Membrane Images...

3. Move sample stage using the "Move up/down/left/right" buttons until the **topmost** edge of the filter membrane is in field of view displayed on the device screen as shown below

4. Click **button** to capture images of the whole filter membrane.
Capture Whole Membrane Images

5. A pop-up window will appear. Enter the sample ID and press the "enter" keyboard key. Select the membrane size 25mm on the drop down menu. Leave the other parameters unchanged.

6. To start the scanning procedure, click "Begin" button.

![Capture Whole Membrane Images](image)
Automated Egg Detection

7. At the end of the scan, the AI result window pops-up. This window can also be displayed by clicking the button.

8. In AI result window, confirm the sample ID and that, the number of images scanned is 372. Then record the egg count on the sheet provided.
9. Captured sample images folders can be found in the directory "home\Schistoscope Data"

10. Click the **Close** button to exit the result output window and repeat the process from step 1 of whole membrane capture to scan another sample.