

Quick Start Guide

Moxi GO 532

Before you Begin:

Your Moxi GO 532 comes with a partial battery charge and must be run plugged into the supplied power adapter for charging and running tests.

Required Materials:

- Cassettes and diluent (e.g. PBS).
- Biological cell sample.
- Pipette and tips for 60µL aliquot.

Cassette Specifications:

- Cassette size range: 2.7 - 27µm particles
- Concentration range :
- * Counts: 10,000 to 1,750,000 cells/ml
- * Optimal Fluorescence Sensitivity: 100,000 - 500,000 cells/ml

Sample Prep Considerations:

- **Solution Conductivity:** Cells must be suspended in 0.9% salt solution (e.g. PBS or equivalent) for proper sizing and test function.
- **Single-Cell Suspensions:** Cells need to be prepared as single cell suspensions. Clusters/aggregates should be broken apart with mechanical trituration and/or protease dissociation (e.g., Accutase). Samples with large extracellular debris particles or aggregates should be strained/filtered before running.
- **Fluorescent Labeling Stain :** The Moxi GO uses a 532nm laser with a 580/37nm (e.g. R-PE, PI) filter.
- ORFLO approved/kits/reagents, and protocols are strongly recommended.

Data Transfer:

FCS 3.1 test data is available for transfer via USB. Just plug the unit into a PC/Mac with supplied cable. The unit will appear as an external, flash drive.

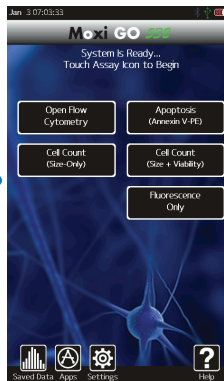
User Manual:

An electronic copy of the complete Moxi GO 532 user manual can be found at www.ORFLO.com by following the "Resources" and then "User Manuals" links.

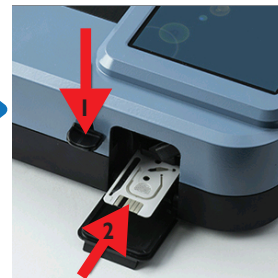
1) Turn Moxi GO 532 ON



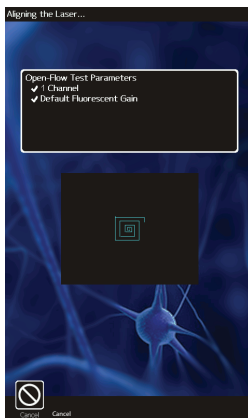
2) Touch Desired Assay



3) Open the Door. Depress Black Knob Fully. Insert Cassette. Release Knob.



4) Auto Laser Alignment. Please Wait.



5) Pipette 60uL of Stained Sample Into the Cassette. Close Door. Test Begins.



8) Data Summary

Application

Cell % Results

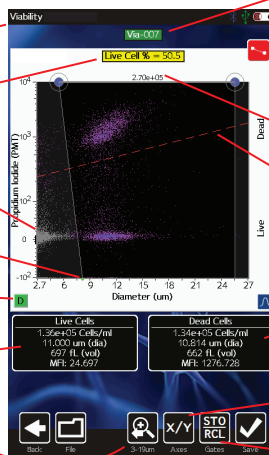
Greyed Noise Region

Toggle to Angle Gate

Fluorescent Gain Setting

Lower Gated Population Results

Press to Change Size Scale Range: 2.7-27, 2.7-19, 2.7-11µm



Touch to Rename File

Battery/Charging Indicator

Toggle Between Size (Blue) and Fluorescent (Red) and Noise (Yellow) Gates.

Total Count Between Size (blue) Gates

Fluorescent Gate (Red)

Turn on Histogram Overlays

Upper Gated Population Results

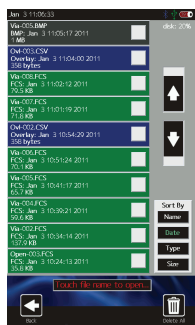
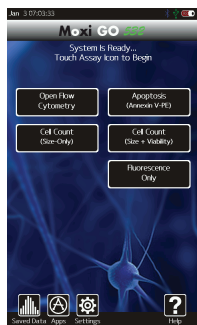
Select to Change Axis Display: PMT vs Size, Size/Fluorescence Histograms

Store/Recall Gate Locations

Dot Plot Results



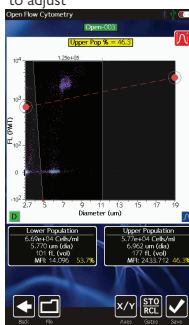
Opening, Viewing, Comparing, and Printing Data:



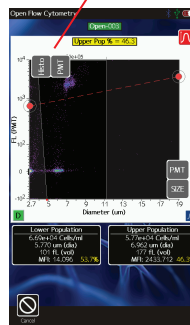
Touch and drag gates to adjust

Touch red icon to toggle gate modes

Specify y-axis parameter



X/Y



Specify x-axis parameter

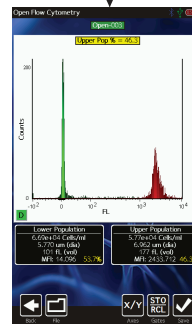
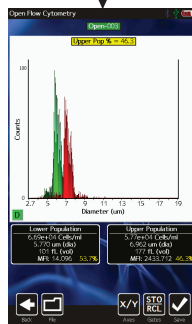
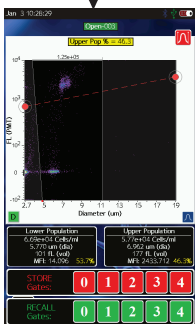
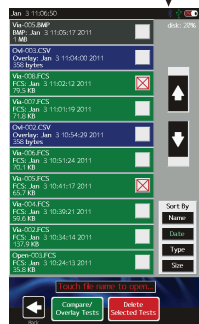
Test Comparisons/Overlays



STO RCL

HID SIZE

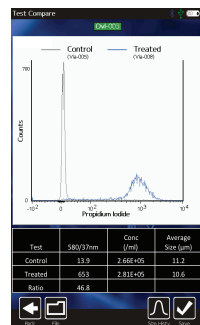
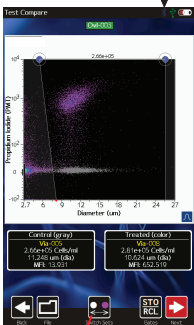
HID PMT2



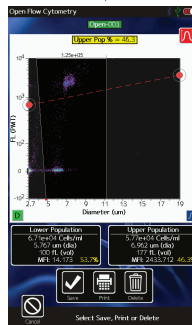
Touch number to store/recall gates into/from memory

Use blue size gates to define region to be compared

Compare/Overlay Tests



Print Screen (export to .bmp file)



Exact screenshot saved as a .bmp file on the data disk (access through USB connection to the computer)

"Switch Sets" toggles the "control" and "treated" set designations