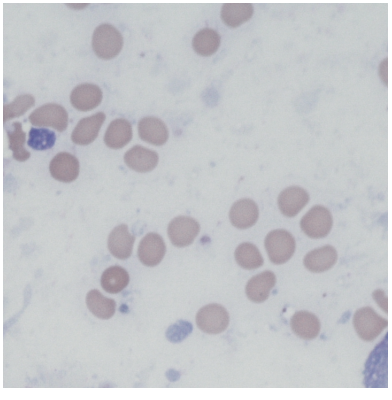
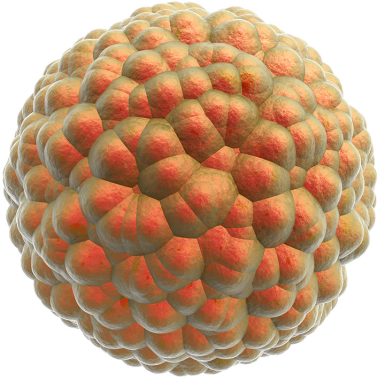
LABGIG

# 2D meet 3D





**You don’t have to Count on Vision any longer...**

LABGIG

Meet

# Moxi V

## Gold Standard Cell Counter

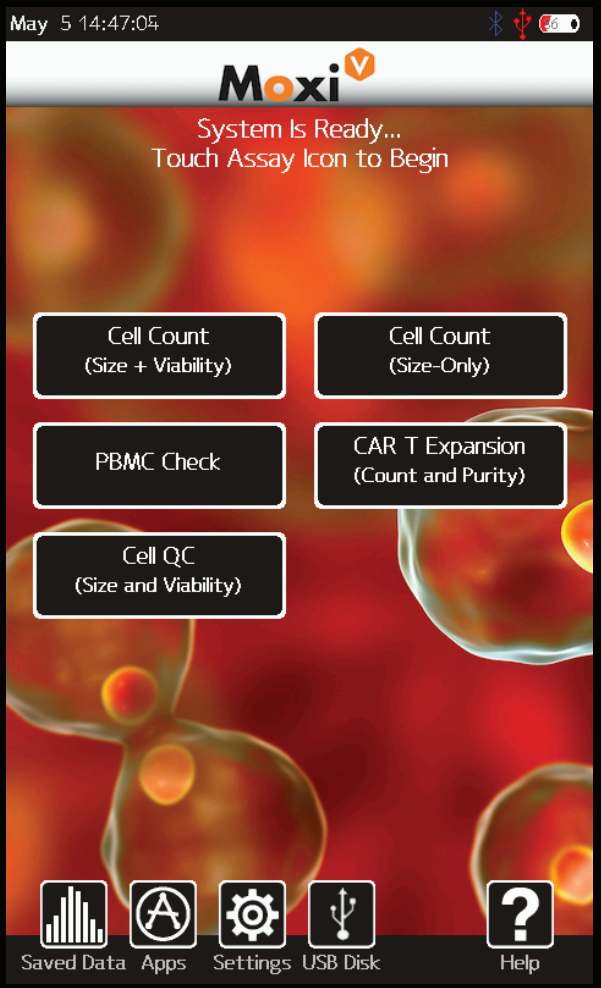
## Precision Counting with Combined Coulter Principle + Fluorescence

# Precise. Accurate. Cell QC.

## Introducing: Moxi V

**The all new Moxi V delivers the uniquely powerful combination of Coulter Principle (electric impedance) cell sizing with simultaneous fluorescence to provide the most accurate cell counts, size, and viability in an affordable, easy-to-use format.**

**With typical CVs of 2-3% on all measured parameters, the Moxi V easily outperforms all other instruments in this class. If your lab requires precision and accuracy for COVID-19 studies, PMBC analysis, CAR T expansion, or routine Cell QC, the Moxi V is your machine.**



# Just TOUCH and GO...

1

15 seconds

**Insert Cassette**
**Load Sample**

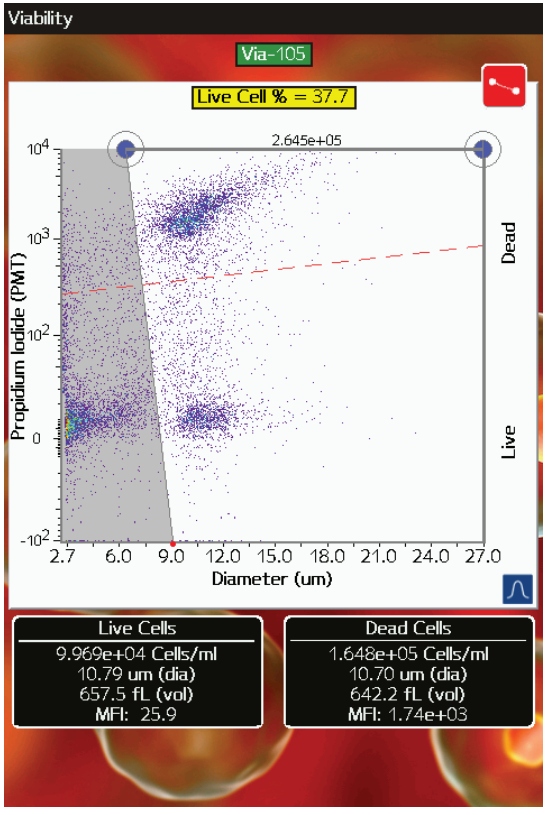
2

10 seconds

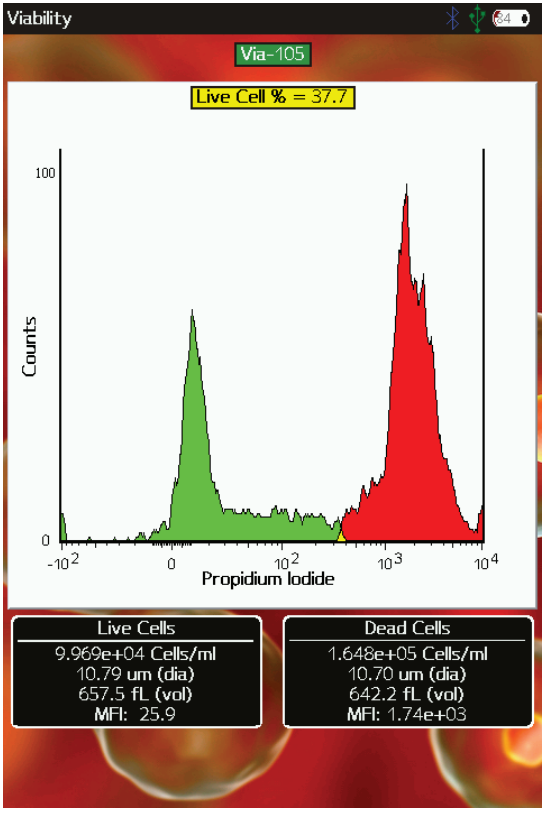
**Close Door**
System will automatically run test.

# 3

## The Moxi V OS will auto-analyze your results, thereby eliminating user to user variablity.

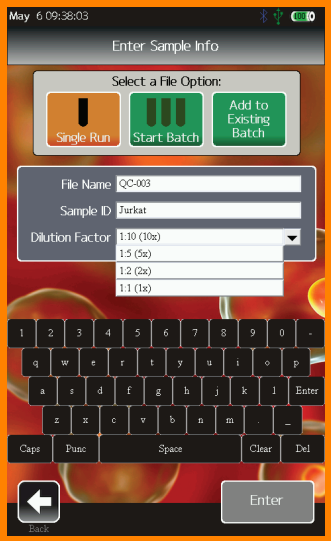



Jurkat cells were analyzed using the new Cell QC App with a PI stain. The Auto-Gating algorithm analyzes results in an accurate, repeatable way to provide the most consistent results possible.

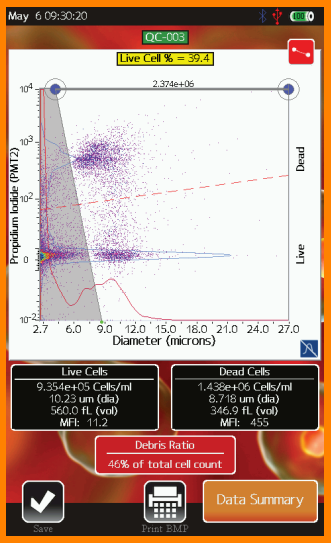



You have the option to analyze results in a number of histogram formats for additional clarity.

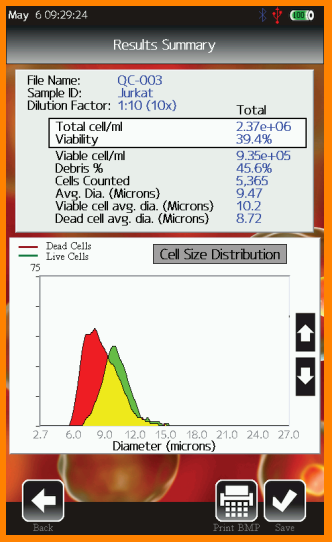
# Run in Batch Mode using the new Cell QC App.




Set up your Batch




Perform the Analysis

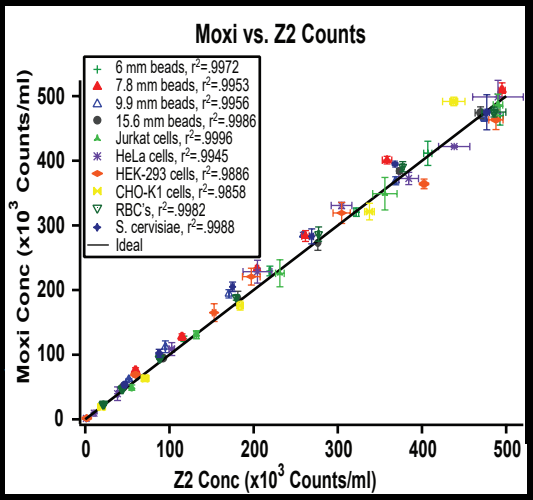



Review/Export Results

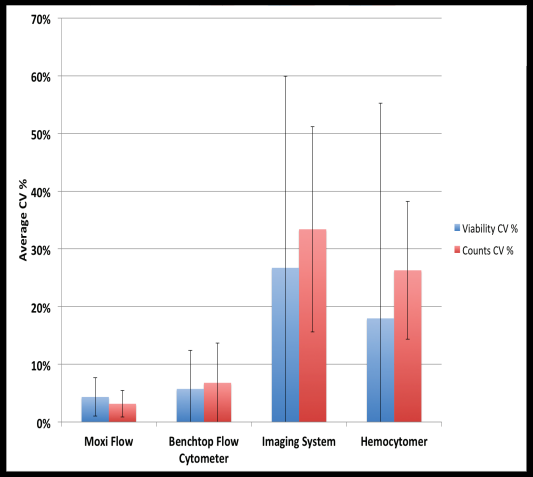
The all new Cell QC app allows you to run multiple tests of the same sample type in Batch Mode. User-to-user variability is eliminated by auto-finding both live and dead cell populations, while excluding cellular debris and RBC contamination (PBMC app). Batch mode data is exported in CSV and FCS 3.1 formats

# Benchmark Data

## Counts:




## Viability:



# SPECIFICATIONS

## Moxi V ™ System

| | |
|---|---|
| **Detection Channels:** | 4 (1 fluorescent, extinction, cell volume, cell count) |
| **Laser wavelength:** | 532 nm |
| **Number of PIN Diodes:** | 2 |
| **Optical Detection Region:** | 561 nm/LP (e.g. PE, PI, tdTomato) |
| **Cell Size & Count Detection:** | Impedimetric (Coulter Principle) |
| **Display:** | 800 x 480 color touchscreen |
| **Resolution:** | 1000 histogram bins |
| **Weight:** | 7.9 lbs |
| **Dimensions:** | 9.3"L x 8.7"W x 5.8"H |
| **Battery:** | Lithium Ion, 7500 mAh |
| **Data Storage:** | 4 gB uSD |
| **AC Power:** | 100-240 V, 50/60 Hz, 1 Amps |
| **Connectivity:** | USB on-the-go (PC or MAC C compatible) |
| **Data Output Format:** | FCS 3.1 and screen shots (.bmp) |
| **Pre-Programmed Tests:** | Cell QC, PBMC Check, CAR T Expansion, Cell Count & Viability, Cell Count (size only) |
| **Open Platform:** | 561 nm/LP: PE, PI, RFP (e.g. DsRed, tdTomato), 7-AAD, PE-Texas Red |

## Cassette Performance (2 tests per cassette)

| | |
|---|---|
| **Effective Diameter - Size Range (µm):** | 3 - 26 µm |
| **Cell Volume (fL):** | 14 - 9202 fL |
| **Measurement Time:** | 10 seconds |
| **Concentration:** | 10,000 to 1,000,000 cells per ml |
| **Sample Volume (µL):** | 60 µL |

**Made in the USA**
**Tel: 800-543-6464**

GeminiBio™

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