

Cytonome Viva™ G1 Cell Sorter Technical Specifications

Cell Types	• Mammalian
Sample Concentration	• 1,000 to 100 million cells per ml*
Sample Flow Rate	• 1.4 ml per hour
Cell Measurement Parameters	• Light scatter, GFP (standard)
Cell Analysis Rate	• Up to 360 million cells per hour
Cell Purification Rate	• Up to 100 million cells per hour
Sample Input Vessel	• 12 x 75 mm tube (5 ml)
Sort Collection Vessels	• 1.5 ml, 5 ml, 15 ml, 50 ml tubes
Sort Purity	• > 99%*
Biohazard Containment	• Fits in any standard > 4 foot biosafety cabinet
Sort Technology	• Droplet sorting
Flow Cell Type	• Ceramic tip, 85 micron orifice (standard)
Laser Wavelength	• 488 nm (blue)
Optical Detection	• Photomultipliers
Sensitivity	• < 250 molecules of equivalent fluorescein**
Signal Dynamic Range	• 1 to 10,000 (4 orders of magnitude)
Connectivity	• Ethernet, Wi-Fi • Optional remote display monitor (HDMI, touch)
Weight	• 41 kg (89 lbs)
Dimensions	• 67 cm x 41 cm x 49 cm (26.5" x 16" x 19")
Facility Requirements	• Single 110/240V AC outlet

*Depending on cell type and sample preparation
**Using SPHERO™ rainbow calibration particles RCP-305A

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CYTONOME VIVA™

Portable GFP Cell Sorter for **Your** Lab



Cytonome Viva™ G1 Desktop System

PRODUCT BENEFITS

- > Minimal training required
- > Easy-to-use, automated sort parameters
- > Affordable for individual lab ownership
- > High speed, high performance
- > Proven, reliable technology
- > Supports portability between labs
- > Completely self-contained

Cytonome Viva™ G1 System

The world's first GFP-dedicated cell sorter

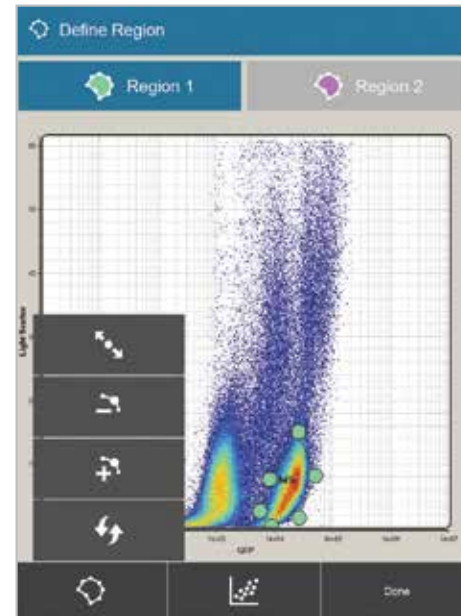
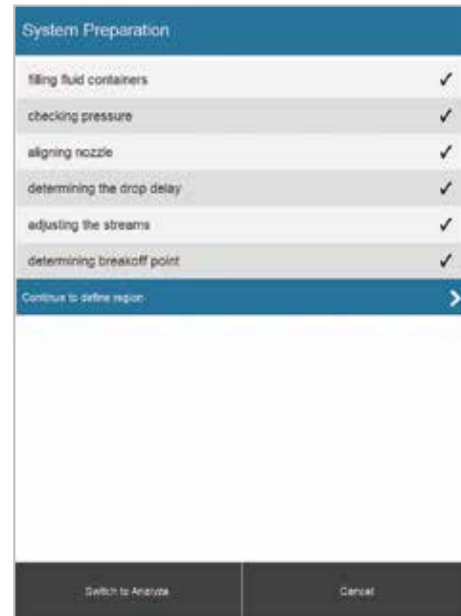
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Introducing the **Cytonome Viva™ G1** System

The world's first application-specific cell sorter optimized for your routine GFP sorting



EFFORTLESS, WALK-UP SORTING

Now, it is easier than ever to obtain purified cell populations for your downstream applications.

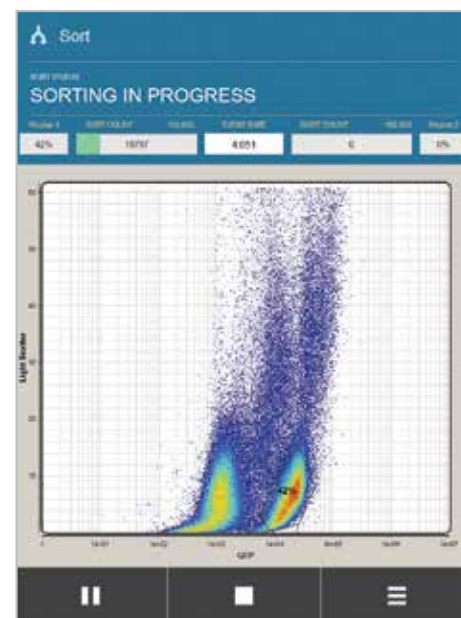
Ideal for new users, the Cytonome Viva™ G1 system features proprietary SimplySort™ technology with an intuitive interface that requires minimal training to operate. The use of automated sort parameters eliminates many technically difficult, time consuming steps typically involved when operating conventional cell sorters.

Users simply load their sample into the instrument and follow the straightforward touchscreen menus to run their application. Performance is automatically monitored thus ensuring stable, consistent sort outcomes.

HIGH SPEED PERFORMANCE, RELIABLE RESULTS

The Cytonome Viva™ G1 sorter is extremely compact but still provides the same high speed, purity and sensitivity as conventional cell sorters.

Find your rare GFP cells by sorting up to 100 million cells per hour with high purity for your essential downstream applications.



Analysis of GFP expressing cells measured by side scatter and fluorescence.

Now conduct routine operations in **Your** lab.



HIGHLIGHTS

- > **Dedicated GFP cell sorting**
Optimized to separate cells expressing GFP without complicated set-up procedures.
- > **Completely self-contained**
All optics, fluidics, electronics and computers reside entirely within the self-enclosed system.
- > **Proven, reliable technology**
Uses well-established sorting technology recognized as the industry standard.
- > **Compact, portable cell sorting**
Convenient portability supports shared use of the instrument among labs.
- > **Minimal training required**
True walk-up sorting; Intuitive touchscreens are ideal for new or infrequent users.
- > **SimplySort™ automation**
Ensures ease-of-use and stable, consistent sort outcomes.
- > **Fits entirely in standard biosafety cabinet**
Increased safety for lab personnel without the expense of a custom cabinet.
- > **Priced for individual lab ownership**
Onsite sorting allows for greater control over efficiency and scheduling routine operations.

GAIN CONTROL, IMPROVE EFFICIENCY

Enjoy the flexibility that comes with owning and operating a system that is available at a moment's notice. The Cytonome Viva™ G1 system improves lab efficiency by providing more control over workflow, scheduling and resources.

The system was developed specifically for routine GFP sorting and provides ease-of-use and affordability for individual research labs. Complex, technical training is not necessary to set up and operate the Cytonome Viva™ system, unlike conventional cell sorters.

With its simple one-plug installation, the Cytonome Viva™ cell sorter makes your job faster and easier. You don't even need calibration beads during the set-up process.

Just plug in the system, load your sample and begin sorting.