Semi-Automated Solutions for Ortho BioVue® System

Safety and efficiency are critical to labs of every size

QuidelOrtho™

Integrated tools.
Improved workflow.

Better together. Partners in performance.

Ortho Optix™ Reader works with Ortho® Workstation, the only compact semi-automated solution with reliable Ortho BioVue column agglutination technology (CAT). A safe, cost-effective solution that contributes to your ability to deliver consistent results with confidence – regardless of the size or volume of your testing needs.

Ortho Optix™

Ortho® Workstation

Ortho Workstation is a 2-in-1 blood testing system combining a centrifuge and incubator in a footprint of about 0.2 m². It is simple to operate, with language neutral icons and enhanced alarm systems. 70% more efficient* than a separate centrifuge and incubator.

Ortho Optix reader - an advanced cassette reader based on QuidelOrtho technology to elevate your lab´s performance to the highest level.

How Ortho Optix reader benefits your lab:

- **Ensure accurate results:** Proven to deliver 99.9% concordance[1]: the same high quality and consistent results as our award winning automated solution Ortho Vision® Swift Platform by utilizing the same interpretation system and camera image sensor, so you can trust that results are accurate the first time and every time

- **Eliminates the guesswork:** High resolution camera captures up to 26 images per cassette, which validates the security of results and eliminates the subjectivity and discrepancies of multiple operators reviewing images by eye. Ortho Optix reader captures both sides of the cassette, which provide more objective data compared to only one side

- **Minimizes manual error:** Delivers results directly to your computer or from a bi-directional interface to your lab's LIS[2], greatly reducing or eliminating the need for manual documentation and the risk of transcription errors

- **Improves workflow efficiency and safety:** Cutting-edge software designed with customizable workflow settings enables enhanced traceability and reporting capabilities to keep labs compliant with accreditations and regulations

- **Maximize your testing ability with cutting-edge technology:** Utilizes best-in-class Ortho BioVue system technology, which allows for user-defined testing and offers a comprehensive testing menu

1. For direct and indirect antiglobulin testing, as determined by external validation testing using Ortho BioVue technology.
   The acceptance criteria for concordance for direct and indirect antiglobulin was ≥98.0% with a lower bound 95% CI of 99.7%.

2. Bi-directional interface to an LIS is optional.

* Vs. current Ortho BioVue system centrifuge and Ortho BioVue system heat block.

Specifications

Ortho Optix reader

Dimensions
Height: 240 mm (9.45 in)
Width: 215 mm (8.46 in)
Depth: 435 mm (17.13 in)

Weight
5.4 kg (11.9 lbs)

Power requirements
100–240 V~, 50/60 Hz, single-phase (input auto-senses voltage/current, no manual selection required)

Power consumption
150 VA

Computer specifications

Browser requirement
Google Chrome

Operating system
Microsoft® Windows® 10 Enterprise or Microsoft Windows 10 Professional
NOTE: The Ortho Optix reader does not support Microsoft Windows 10 Home or Microsoft Windows 10 Education

Processor
Intel i5 CPU or higher

Memory
Minimum of 8GB RAM

USB ports
2 minimum: 1 each for Ortho Optix reader and bar code scanner. Additional ports may be required for keyboard, mouse, and USB printer

Monitor
Minimum resolution of 1,920 × 1,080

Network connection
Needed for LIS and E-Connectivity® Technology

Malware protection
Customer supplied. Needs to include anti-malware/anti-virus

Barcode reader specifications

Reads, with auto-discrimination capability, the standard barcode symbologies listed below.

The following barcode symbologies are required for reading cassettes as well as QuidelOrtho-branded reagents and QC fluids.

- Interleaved 2 of 5
- Code 128

Configuration of the barcode reader symbologies for sample containers is dependent on the sample containers used by the lab. Commonly used symbologies for sample containers is:

- Code 39
- Codabar
- Interleaved 2 of 5
- Code 128 (includes A, B & C formats and ISBT 128 content)

Printer specifications

Characteristic
Printers that are supported by Microsoft Windows 10. Either networked or USB connected.

Description
Serves as an output device for printed system reports, including:

- Order results report
- Quality control report
- Quality control history report
- Laboratory report
- Assay statistics report
- Blood group report
- Consumable lot report

Ortho Workstation

Dimensions
Height: 220 mm (8.66 in)
Width: 575 mm (22.64 in)
Depth: 325 mm (12.80 in)

Weight
10.89 kg (24 lbs)

Power requirements
100–240 V~, 50/60 Hz, single-phase (input auto-senses voltage/current, no manual selection required)

Power consumption
150 VA

Fuses
2 required, T4AH250V–4 amp, 250 V, ceramic, time delay, 5 × 20 mm

Cycle speed
Phase 1: 793 rpm ± 10 rpm
Phase 2: 1,509 rpm ± 10 rpm

Speed indicator
4 digits

Timing indicator
4 digits

Cycle timing
5 minutes ± 10 seconds (including ramp-up time)

Centrifuge cassette capacity
10 cards/cassettes

Incubation temperature
37°C ± 2°C

Incubator cassette capacity
20 cassettes (2 sections of 10)

Noise level generated
Maximum 50 dBA at 1 meter (during normal operation)

New QuidelOrtho branding may not be available in all markets, subject to country specific regulatory approval. Please confirm with your local commercial team.

QuidelOrtho™

At QuidelOrtho, we transform diagnostic data into answers, understanding and action, illuminating the path forward for all. For more than 80 years, we've pursued the unknown with a passion and purpose to improve health. And we'll continue to transform the power of diagnostics into a healthier future for all.

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