CleanRead™ Contamination Monitoring System

The CleanRead™ Contamination Monitoring System offers a quick, reliable way to detect microbial contamination. This system is crucial for ensuring cleanliness across your healthcare facility. In just 15 seconds, CleanRead™ Handheld device verifies the effectiveness of cleaning protocols on non-critical surfaces, surgical instruments, and endoscopes. By detecting Adenosine Triphosphate (ATP), found in various cells including human, animal, plant, bacteria, yeast, and mold cells, the system identifies residues like blood and bioburden, which contain significant ATP levels. After cleaning, ATP levels should notably decrease. The CleanRead™ Surface ATP Detection Swab captures ATP and, when in contact with a luciferase/luciferin reagent in the swab tube, emits light proportionate to the ATP amount.

Placing the swab in the CleanRead™ Handheld unit measures the emitted light, displaying contamination levels within 15 seconds. Through Wi-Fi sync, results can be tracked on the web portal, offering comparison charts, color trend analysis graphs, and reports. This system greatly assists Sterile Services Managers, OR Managers, GI Managers, Infection Control Teams, Environmental Service Managers, and Engineers in maintaining workplace hygiene, identifying issues, and satisfying regulatory requirements effectively.

Common applications and features

The CleanRead™ Contamination Monitoring System assesses microbial contamination in various areas of a healthcare facility. The handheld device checks cleanliness in washer-disinfectors, exam and operating rooms, restrooms, waiting areas, counters, bed-rails, BP cuffs, toilets, faucets, handrails, beds, computers, and more, crucial for patient and staff health.

- **Smart Handheld Mobile Platform** for portability throughout the facility.
- **5-inch Touch Screen** for easy operability of the device with gloves.
- **Cloud Based User Friendly Interface** is easy to navigate via Wi-Fi Connectivity.
- **Offline Mode** works with no internet connection; Data auto syncs to the ATP Complete 2 web portal once Wi-Fi becomes available.
- **RFID & Barcode Scanners.** RFID tags and barcodes on equipment can be scanned and assigned to Test Points. Once assigned, the RFID /barcode can be scanned directly to initiate the test.
- **Infinite Users and Test Points.**
- **Customizable Dashboard.**

- **Quick Test** allows user to test any surface instantly without needing to program the test point first.
- **Multi Language Support.** Users can choose between English, Spanish, Portuguese and Chinese for ease of understanding.
- **Customized RLU Ranges.** User can specify RLU ranges for different test methods via the web portal dashboard.
- **Assigned Daily Test Schedules** can be programmed from the dashboard.
- **Reporting.** Supervisors can log into the web portal to view and filter the data collected by the technician.
- **Remote Support** can be accessed from a built-in support feature.
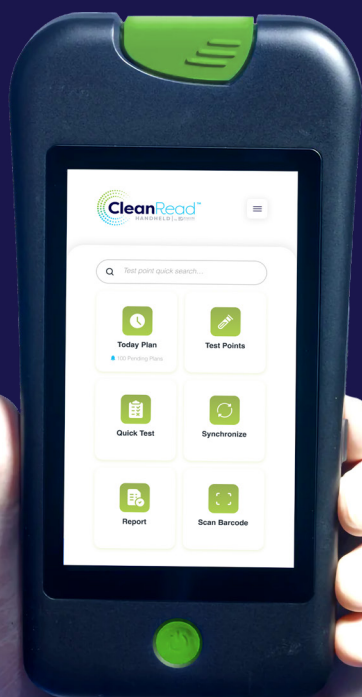
Verify cleanliness and measure microbial contamination on any scope, cannulated instrument or surface in **15 seconds!**

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Instructions / Directions For Use

Testing should be done after cleaning, prior to high-level disinfection or sterilization.*

1. On the homescreen, tap on Dashboard and navigate to Test points.

2. Look up for the test group that needs to be tested either by scrolling down the list of available test groups OR by typing in the search bar OR use the barcode/RFID reader in the Dashboard. (Note: Barcodes and RFIDs need to be registered before use.) Select the desired test group, tap on the desired test point (red tag) and press 'Start'. Alternately you can switch to the List view to select the test points.

3. Take the Surface ATP Detection Swab out of the tube and swab a defined area (approximately 10 cm²) using consistent downward pressure, in a standardized pattern (e.g., horizontal and vertical strokes) to cover the surface adequately. Twirl the Surface ATP Detection Swab during sampling to ensure adequate loading of organic residues.

4. Place the Surface ATP Detection Swab back into the tube. Hold the swab tube firmly and use the thumb to break the blue nib by applying pressure against the bulb wall—about half-way up--until the blue nib inside snaps.

5. Once the blue nib snaps squeeze and gently shake the bulb from side to side for 5 seconds to make sure that all the reagent is released and makes contact with the tip of the swab. Open the top of the CleanRead™ hand held unit and insert the Surface ATP Detection Swab tube, pushing it fully into the device.

6. **Close the lid** and press **"OK"**. In 15 seconds the unit will display the amount of contamination detected, and if the test passed or failed.

7. The CleanRead™ hand held device will automatically sync to the web portal --via WiFi--for tracking results.

*Please note: Testing after HLD is an option for periodic testing of HLD processor maintenance. This would be up to the facility to determine procedure and frequency.

CleanRead™ uses AWS which enables covered entities and their business associates subject to the U.S. Health Insurance Portability and Accountability Act of 1996 (HIPAA) to use the secure AWS environment to process, maintain, and store protected health information.

If you have a test failure please contact the manufacturer of the device being tested for advice on the best cleaning practice and products available that will help produce better outcomes.

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