



Bioquell® ProteQ

—
Mobile bio-decontamination
system for rooms and zones

Bioquell[®] ProteQ



EPA APPROVED

All Bioquell systems only use Bioquell Hydrogen Peroxide Sterilant (EPA Registration Number: 72372-1-86703) as part of the bio-decontamination process



MOBILE, VERSATILE AND WIRELESS

With all components stored within its mobile frame, quickly dispatch the system in one trip by a single person. Wireless communication between components makes setup easy



AUTOMATED CYCLES

No additional wiping or cleaning required after each cycle

*The Bioquell ProteQ uses Bioquell Hydrogen Peroxide Sterilant (EPA Registration Number 72372-1-86703)

An advanced mobile bio-decontamination system utilizing hydrogen peroxide vapor

From research laboratories to biopharmaceutical manufacturers, routine or emergency remediation is made possible with automated bio-decontamination technology from Ecolab. The Bioquell ProteQ system provides a mobile and innovative delivery system with Ecolab's Bioquell 35% Hydrogen Peroxide Vapor bio-decontamination technology.*

The Bioquell ProteQ delivers powerful distribution to help reduce cycle times and cover areas as large as 400m³ for each system used. It also communicates wirelessly to the control lectern positioned outside of the area being bio-decontaminated so that cycles can be started and monitored remotely.

The Bioquell ProteQ is a compact and mobile system that offers built-in aeration, but cycle times can be optimized further with the addition of optional wirelessly controlled aeration units which can be stored directly in the system's frame for added convenience.

Applications:

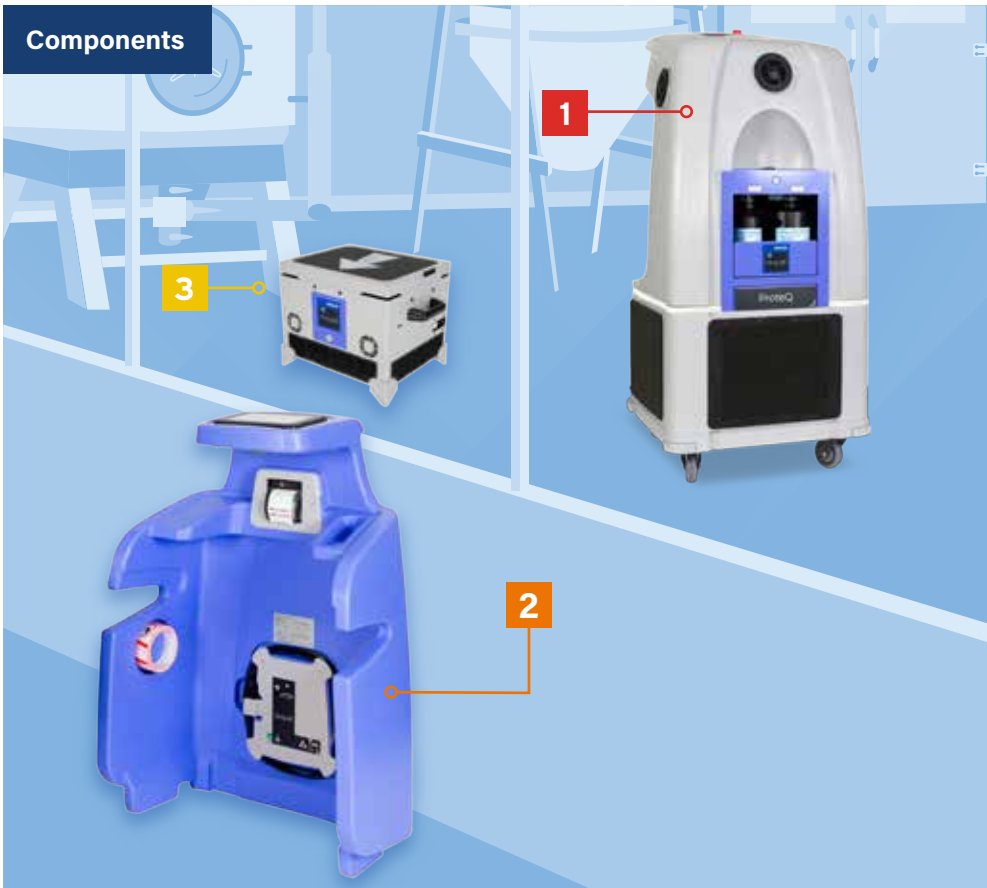
- ▼ Biopharmaceutical manufacturing areas
- ▼ GMP/GLP Laboratories
- ▼ Biosafety labs of all levels
- ▼ Animal facilities
- ▼ Production areas with difficult to clean spaces such as RABS
- ▼ Cleanrooms, lab spaces and anterooms
- ▼ Other room and zone needs

Bioquell ProteQ offers:

- ▼ Automated cycles
- ▼ 6-log sporicidal kill on exposed surfaces
- ▼ RFID enabled bottles for traceability and quality control
- ▼ 21 CFR Part 11 audit trail compliance package available
- ▼ Optional aeration units for even quicker bio-decontamination cycles
- ▼ Single system covers 400m³. Up to three systems can be connected for larger areas
- ▼ Wireless networking for rapid setup
- ▼ Paper and digital cycle reports to support GMP compliance



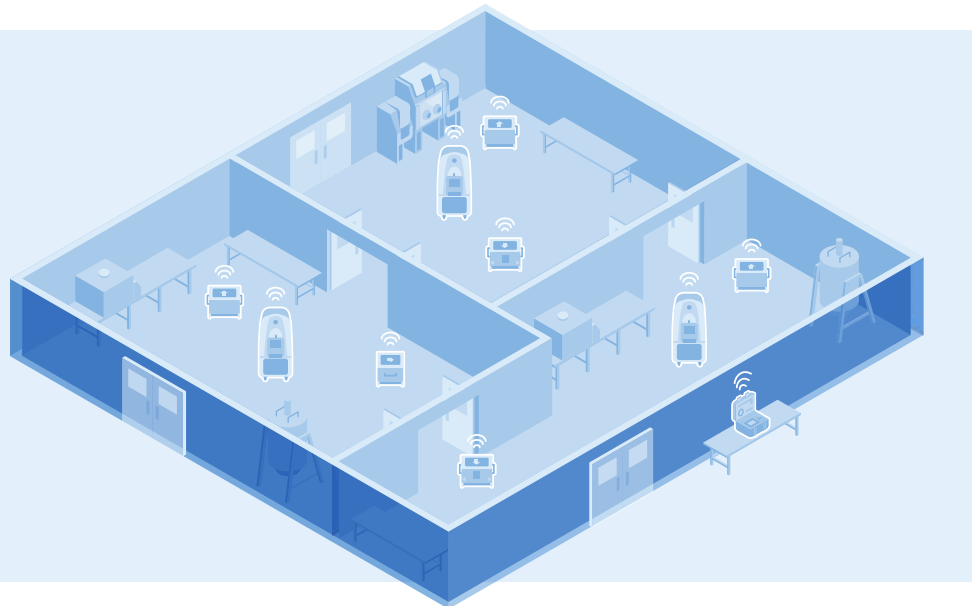
Components



- 1** The main structure of the system contains:
 - The hydrogen peroxide dispersion and distribution system** for rooms up to 400 m³ (depending on configuration, load and environmental conditions).
 - Dual bottle module** with RFID reading for safe loading, large volume bio-decontamination and key data collection.
 - Built-in aeration**, capability comes as a standard feature in every Bioquell ProteQ.
- 2** The wireless control module combines a thermal printer and a color touch screen with graphical interface.
- 3** Additional aeration units help increase airflow during the bio-decontamination cycle and help reduce cycle times by removing hydrogen peroxide vapor during the aeration phase. These units are stored within the frame of the main structure for ease of transport and setup.

Large space bio-decontamination made easy

When the need arises for bio-decontaminating areas greater than 400m³, users can network up to three systems together quickly and easily using the multi-system controller option, making the Bioquell ProteQ ideal for nearly any size area.



Your Bioquell ProteQ system can be optimized with:

- Process monitoring sensor package
- 21 CFR Part 11 audit trail compliance package
- Low level hydrogen peroxide safety sensor
- Laser room dimension measuring device
- Additional wireless aeration units
- System commissioning and IQ/OQ/PQ
- Master control panel for simultaneous operation of up to three systems
- Integration to Building Management System (BMS)
- Advanced validation such as Gas Cycle Development (GCD) and Performance Qualification (PQ)
- Preventative Maintenance plans

Bioquell® ProteQ

Technical Specifications

ProteQ		
Physical and safety data	Operating data	Power data
<p>Dimensions and weight: with lectern 672 x 1430 x 710 mm (Height = 1421 mm if no lectern)</p> <p>Lectern: 630 x 880 x 349 mm</p> <p>Mass: with lectern: 67 Kg Lectern: 9 Kg</p>	<p>Operating Temperature: Operate at ambient temperatures¹</p> <p>Relative Humidity limits at start of cycle: 10% to 80% RH (Max)²</p> <p>Enclosure decontamination capacity: Nominally 400 m³ for rooms (subject to configuration, loading and environmental conditions)</p> <p>Maximum H₂O₂ liquid volume: 4 litres 2 positions for 2 litre or 950ml bottles</p>	<p>Regional power requirements (max): 230 V single phase, 50/60Hz 7.5A Base Unit, 1A lectern 120 V single phase, 50/60Hz 15A Base Unit, 2A lectern 100 V single phase, 50/60Hz 15A Base Unit, 2A lectern</p> <p>Max power consumption (Main Unit/Lectern) 1.8 kW / 0.2kW</p> <p>Power Supply: Installation category II</p>

¹ For concerns or questions related to temperature limits, please contact Ecolab.

² If requiring to operate outside this range refer to Ecolab or its agents.

For more information contact your Ecolab Account Manager

USE BIOQUELL PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

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