



BIOQUELL RBDS

A SCALABLE RAPID BIO DECONTAMINATION SERVICE FOR
LIFE SCIENCE, PHARMACEUTICALS, & HEALTHCARE

Decontamination needs vary in scope, frequency and urgency. By using Bioquell's Rapid Bio Decontamination Service (RBDS), you have the flexibility to retain or recover the microbial integrity of your critical areas. Every deployment includes planning, coordination, setup, equipment, cycle validation and verification, and detailed reporting.

Companies using Active Pharmaceutical Ingredients (APIs) use Bioquell RBDS regularly to eliminate cross contamination risks between batches, while BSLs and ABSLs reset environmental microbial levels as part of their SOPs. Other businesses select Bioquell RBDS for commissioning newly constructed spaces, or after scheduled maintenance, ensuring there are no remaining contaminants to impact operations. Bioquell RBDS is flexible and adaptable to meet your requirements.

SCALABLE AND ADAPTABLE TO YOUR NEEDS



Your company has novel workflows, unique floorplans and varying equipment setup. This creates specific decontamination needs at different times in your operation. The flexibility of Bioquell's RBDS is trusted by a wide range of businesses, from start-ups to multinational corporations, to eliminate contaminants at any step of a process regardless of size. You can even use our rapid response service for a single piece of equipment such as a BSC or lyophilizer.

DEDICATED RESPONSE, AN UNMATCHED SERVICE OPTION

Bioquell RBDS equipment can be hosted directly on-site, near, or even in, your critical areas through Bioquell's Dedicated Response Plan. This provides you with our fastest guaranteed response times. A contaminant can quickly spread causing potentially months of downtime, valuable product wastage and nearly immeasurable financial implications. When such an emergency situation occurs, Bioquell can quickly stop this contaminant from spreading due to advanced, meticulous planning and instant access to the area impacted.

RAPID RESPONSE WITH PROVEN RESULTS

You can quickly regain control of your clean spaces in case of an emergency caused by the introduction of a contaminant. Every minute that passes impacts production and your patients. For clients without a Dedicated Response Plan but have an emergency situation, Bioquell can still help quickly. Our expert team will work with you to develop a rapid deployment plan for swift execution. Detailed reports upon completion offer results you can trust, allowing operations to resume.

THE BIOQUELL RAPID BIO DECONTAMINATION SERVICE CAN BE OPTIMIZED WITH:

- Optional validated cycles to quickly operate within defined spaces requiring recurring decontaminations
- Hosting Bioquell equipment on-site with a Dedicated Response Plan as part of your contamination control plan

APPLICATIONS:

- Bioprocessing, biomanufacturing and production zones
- Biosafety labs of all levels
- Cleanrooms and research labs
- Post-construction new-area commissioning
- Shutdown, end of campaign and facility restart periods
- Remediation needs including mold
- Emergency response
- Dedicated response plans
- Equipment needs (BSC, Lyophilizer and more)

COMPLETE REPORTING WITH PROVEN RESULTS

Bioquell's RBDS includes a final report confirming a 6-log kill in the defined space. The document is readily accepted by compliance review teams, allowing your operations to resume with confidence.

Each report includes:

- Cycle parameters and graphs
- Pre and post-vaporizing environmental conditions
- Incubation records and results of biological indicators
- Maps showing the placement of equipment and indicators
- Equipment calibration information
- Certificates of analysis for all hydrogen peroxide, chemical indicators & biological indicators



Every deployment is validated by the use of Bioquell's Biological Indicators made from *Geobacillus stearothermophilus* endospores to ensure a 6-log reduction of bioburden. A preliminary report is offered after 24 hours showing expected results of the decontamination efforts, with our extensive final report completed shortly after the 7 day incubation period of our Biological Indicators.

Bioquell RBDS Deployment Examples

- 8,000m³ pharmaceutical production area between batches in Ireland
- 100,000m³ area for commissioning of facility in Qatar
- Indoor vertical hydroponic rooms between crop changeovers in Singapore
- Emergency service vehicles
- US manufacturer hosts 12 sets of equipment in containment zone for Dedicated Response
- 114 room research facility emergency response after viral outbreak in the UK



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