CLEANROOM CLEANING

The most respected and comprehensive offering of Cleanroom Contamination Control Consumables
INTRODUCTION TO MICRONCLEAN

LEADING THE WAY FOR OVER 30 YEARS

MICRONCLEAN ARE A WELL ESTABLISHED MANUFACTURER AND SUPPLIER OF CLEANROOM PRODUCTS AND SERVICES, SUPPORTING THE LIFE SCIENCE INDUSTRIES SINCE 1981

Micronclean have led the way in garment processing for ISO4 / Grade B GMP environments for over 30 years. Since 2005 this offering has been extended through the manufacture and supply of a wide scope of products and accessories to support Cleanroom environments and operators on gowning, cleaning procedures and first aid.

The Micronclean portfolio of branded Cleanroom products provides a complete range of validated consumables for ISO4 to ISO8 environments as well as for support and laboratory areas.

In addition to this portfolio Micronclean have developed a number of specially tailored services to help customers achieve compliance in their controlled environments; one of the most called upon services being that of Cleanroom Cleaning.

The Micronclean Cleaning Team are a dedicated unit specially trained for environment decontamination. They have been maintaining controlled environments since 2001 and operate nationwide, serving a variety of clean industries. The service that they offer provides customers with:

1. Assurance of environment compliance to GMP guidance and standards
2. Training
3. Improved environment performance and reduced maintenance costs
4. An audit ready facility in time for external review & internal validation
5. Service reporting
6. Fully documented process for compliance with ISO9001 & 14001

The Micronclean cleaning service is offered as a bespoke solution to customers; with each environment undergoing a free of charge, full survey prior to any clean. This attention to detail ensures that each and every clean undertaken meets the stringent standards that Micronclean and their customers demand, and that the service achieves the desired objectives it has been commissioned to meet.

Industries Served:
- Pharmaceutical
- Medical Device
- Healthcare
- Semiconductor
- Optical / Laser
- Laboratory
- Veterinary
- Universities (Nano Sciences & Electronics)
THE MICRONCLEAN CLEANING SERVICE IS SEGMENTED INTO TWO DISTINCT CATEGORIES:

- DECONTAMINATION CLEANS
- ROUTINE CLEANS

EACH OF THESE SERVICES ARE FULLY TAILORED TO THE NEEDS OF THE CONTROLLED ENVIRONMENT AND THE EXACT CUSTOMER REQUIREMENT:

DECONTAMINATION CLEANS
This level of clean can be applied during or after any cleanroom construction or renovation project, following a major spill or within any environment that requires in-depth and sustained attention; especially for soil removal and particulate build up.

It also applies to post-shutdown cleaning and any decontamination after planned and/or emergency maintenance, and is especially useful prior to inspection, audit or validation.

The Decontamination Clean is specifically designed to remove heavy bioburden and large amounts of particulate, and to rapidly increase the performance and cleanliness of the controlled environment.

ROUTINE CLEANS
This category of clean is carried out at a regular interval whether weekly, bi-weekly, monthly, bi-monthly etc., and can be carried out within your own time parameters or those established after consultation as being appropriate for your needs.

Regular cleans are designed to help maintain an already stable and fully functional facility. This type of clean is carried out in accordance with your own cleaning regime and methods and is designed to help maintain good practice within a cleanroom.

Cleaning can be carried out in accordance with your own gowning and transfer methodology and all our staff are highly trained to provide the best quality clean of your facility.

IPAF & PASMA
The Cleanroom Cleaning team are fully qualified in working at heights and also have IPAF (Mobile Elevated Working Platforms) and PASMA (Prefabricated Access Suppliers & Manufacturers Association) certification. These qualifications allow Micronclean to provide Cleanroom cleaning services which other companies cannot.

FLOOR STRIPPING & SEALING
If your floor looks tired and is showing signs of high traffic then by allowing the Micronclean team to strip, seal and gloss it can not only make it look its best but also help to extend its life. Suitable on all Vinyl, Linoleum & Terrazzo floor’s in both GMP and non-GMP areas, this service helps to improve the look of grubby and scratched surfaces.
**Cleaning Process Review**
In addition to an initial free site survey Micronclean can perform a full cleaning audit, working with you to establish any weaknesses within your cleaning and maintenance process whilst helping to implement a programme of change to improve practices.

From materials and solutions used, regularity of cleaning, training of internal staff or supply of external staff, Micronclean provide analysis, recommendations and solutions to meet to any requirement.

Micronclean work with you to build a cleaning plan that meets GMP and regulatory requirements, whilst maximising procedural compliance by cleaning staff, and minimising impact upon production operations.

**QUALITY ASSURANCE**

**Cleaning SOPs**
For each clean carried out a Clean Plan will be drawn up for approval. This document includes site plans and defines the cleaning procedures and materials to be used. Creating site-specific plans in this way provides a defined work schedule and outlines clear expectations and outcomes. Micronclean operators work to Standard Operating Procedures (SOPs) and full training records are available for all staff.

**ALL CLEANING SERVICES ARE FULLY SUPPORTED BY STRINGENT QUALITY ASSURANCE AND VALIDATED DOCUMENTATION**

**Training**
All cleaning staff are trained to key GMP requirements. Staff training includes good hygiene practice, cleanroom gowning technique and cleanroom cleaning methods. Specific staff training requirements for customer sites will be considered during the planning phase of a clean.

**Clean Documentation**
On completion of a site clean a Clean Record will be issued. The Clean Record contains a copy of the site Clean Plan, the results of pre- and post-clean environmental monitoring carried out, the batch information for all cleaning materials used and details of any deviations from the approved cleaning procedures, with a corrective action plan as appropriate.
TESTING

Microbiological Testing Service (Pre/Post Clean).
Micronclean offer microbiological testing pre and post-clean in order to verify cleaning efficacy of active air sample contact plates. Micronclean operate their own microbiological laboratory primarily servicing Micronclean production facilities. The laboratory is audited on a regular basis by customers from cleanroom industries including pharmaceutical and biotechnology, ensuring test systems remain in line with current best practice.

Air Particulate Testing
This service can be offered pre and post clean to analyse the impact of the cleaning service. This test uses disturbance methodology to analyse particle settlement as well as airborne particulate, and measures the count before and after, demonstrating the reduction and documenting the current room performance. Air particulate testing will also help to highlight whether your environment is meeting specification and if your filtration is performing.

FLOOR STRIPPING AND SEALING
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DURATACK MATS
Micronclean are also able to offer the provision and fitting of Duratack mats and matting, an alternative to Dychem and tacky mats.

TRAINING

Cleaning and Product Training
Micronclean can provide a range of training for Cleanroom personnel and dedicated cleanroom cleaning staff. All training is designed in conjunction with recommendations from the ‘Orange Guide’ published by the MRHA and is based around best practice to control contamination and ensure compliance. All training can be tailored to customer need. Modules include:

• Effective GMP implementation and adherance
• Operator hygiene, behaviour and working practices
• Correct gowning and entry procedure
• GMP compliance for cleanroom cleaning and maintenance
• Cleanroom cleaning product awareness training
• How to design and implement a Cleanroom cleaning plan
• Correct use of cleaning equipment
• Controlling contamination and minimising risk
USING THE VERY BEST PRODUCTS

ROTATIONAL BIOCIDES

Alpha: A broad-spectrum biocide made from a synergistic blend of quaternary ammonium compounds. Compliance 100 Alpha is a highly effective, colourless, odour-free, non-staining, non-tainting one step disinfectant/detergent for the cleaning and disinfecting of all hard surfaces including metal, glass, plastics, rubbers and polymers.

Beta: Biocide with sporicidal action, for use in rotation with Compliance 100 Alpha. A complex blend of amine based structures, biodegradable, non-hazardous, non-toxic. Beta is highly effective against bacteria, mycobacteria, fungi, viruses and spores.

DISINFECTANTS


DI Water: 0.2 micron filtered water sterilised by Gamma Irradiation.

ZSAL64499 - IPA 500ml Trigger Spray 24 bottles per case. Sterile
ZSAL65499 - IMS 500ml Trigger Spray 24 bottles per case. Sterile
ZSAL64950 - IPA 950ml Trigger Spray 15 bottles per case. Sterile
ZSAL65950 - IMS 950ml Trigger Spray 15 bottles per case. Sterile
ZSAL84005 - DI Water 5 litre RTU Container 2 containers per case. Sterile

PRE-SATURATED WIPES

The Micronclean range of Impregnated wipes come in a variety of materials, disinfectant blends, pack quantities and substrate sizes.

Materials:
- 100% Polyester with Thermally Sealed Edges
- 45% Polyester mixed with 55% Cellulose
- Polypropylene blended with viscose

Disinfectants:
- Alpha Biocide
- Beta Biocide with Sporicidal action
- Isopropanol Alcohol (IPA) with WFI or DI
- Denatured Ethanol (IMS) with WFI or DI

ZSAP01500 - Alpha 500ml Trigger Spray 12 bottles per case. Sterile
ZSBT02500 - Beta 500ml Trigger Spray 12 bottles per case. Sterile
ZSAP05001 - Alpha 100ml Unit Dose 10 doses per case. Sterile
ZSBT06001 - Beta 50ml Unit Dose 10 doses per case. Sterile
ZSAP03005 - Alpha 5 litre RTU Container 2 containers per case. Sterile
ZSBT04005 - Beta 5 litre RTU Container 2 containers per case. Sterile
ZSAL64999 - IPA 500ml Trigger Spray 24 bottles per case. Sterile
ZSAL65499 - IMS 500ml Trigger Spray 24 bottles per case. Sterile
ZSAL64950 - IPA 950ml Trigger Spray 15 bottles per case. Sterile
ZSAL65950 - IMS 950ml Trigger Spray 15 bottles per case. Sterile
ZSAL84005 - DI Water 5 litre RTU Container 2 containers per case. Sterile

Also available as dry wipes in bulk, stacked or session packs.
MOPPING SYSTEMS

**Compliance 100 System (Launderable)**

**Compact:** Pre-impregnated mop in a pouch, for use with Compliance 100 Mop frame. Controlled and consistent application of disinfectant dose by laundered microfibre mop. Single use - return for processing.

**Large Scale:** Pre-impregnated mops, packed in 5, 10, 15 or 20’s, stored on trolley system. For use in large scale areas where multiple mops are required. Single use - return for processing.

**VeriClean System (Disposable)**

Disposable pre-impregnated mops in a pouch, for use with Compliance 100 Mop frame. Controlled and consistent application of disinfectant dose by polyester or poly-cellulose mop. Single use - dispose after use.

**Triple Bucket Delivery System**

Stainless Steel Triple Bucket Trolley system with wringer, mop frame and handle. Disposable foam mops with polyester covers.

GLOVES

**SkinGuard:** A concise range of cleanroom gloves for critical environments and support areas, ranging from powder free examination gloves to sterile pair packed surgeons gloves.

- **GSLN05060-90 SkinGuard 5 (Sterile)**
  - Latex, 12” hand-specific, 200 pairs/case

- **GSNW06060-90 SkinGuard 6 (Sterile)**
  - White Nitrile, 12” hand-specific, 200 pairs/case

- **GSNW07060-90 SkinGuard 7 (Sterile)**
  - White Nitrile, 16” hand-specific, 200 pairs/case

- **GNNB02SML-XLG - SkinGuard 2**
  - Blue Nitrile, ambidextrous, 150/box, 10/case

- **GNLN10XSM-XLG - SkinGuard 10**
  - Latex, 12” ambidextrous, 100/pack, 10/case

- **GNNW11SML-XLG - SkinGuard 11**
  - White Nitrile, 12” ambi, 100/pack, 10/case

- **GNNN12SML-XLG - SkinGuard 12**
  - Vinyl, 12” ambidextrous, 100/pack, 10/case

DISPOSABLE GARMENTS

**SureGuard:** Cost-effective, highly breathable disposable type 5/6 hooded coveralls with category III chemical resistance. PE laminated Polypropylene, zipper front with cover, elasticated cuffs and ankles (or integrated feet).

- **DNWH04SML-XLG - Hooded Coverall**
  - Individually packed. 25 per case. Non Sterile

- **DSWH04SML-XLG - Sterile Hooded Coverall**
  - Individually packed. 25 per case. Sterile

- **SGC-2-L-GAM - Hooded Coverall with feet**
  - Integrated feet, Individually packed, Aseptically folded. 25 per case. Sterile

- **DNWH10SML-XLG - Lab Coat**
  - Individually packed. 25 per case. Non Sterile

- **GL100500 - Sleeve Protectors**
  - 100 pairs per case. Non Sterile

Full range of Tyvek Coveralls, Lab Coats, Sleeve Protectors, Aprons, Hoods, Over Boots and Over Shoes also available from Micronclean.
Dermal Laboratories Ltd

“Whilst setting up a new GMP manufacturing facility the Micronclean Cleaning Team have been very helpful and professional, not just in performing the tasks asked of them but by suggesting improvements and carrying out additional work as and when required. As competent and fully trained GMP cleaners they understood all of our needs and always worked to the highest standard expected. We have a very good working relationship with Micronclean GMP and would be happy to recommend them for GMP cleaning services.”

Hologic Inc

“The Micronclean team provide Hologic with a monthly cleaning service which is conducted over two days each month. The Team Leader is very friendly and professional and leads a team of usually three people. They are always punctual and conduct themselves in a very professional manner whilst on site. There is also a lot of paperwork that needs completing as part of this role and this is always completed promptly and legibly in accordance with our SOPs. Following the cleaning we conduct post environmental monitoring and the feedback from our QC team is always very positive regards no high counts, proving that the cleaning has been completed to a high standard. I would have no hesitation in recommending the Micronclean team for any cleaning task.”