*Centre for Biological Engineering*

**Laboratory Deep Clean**

**Why do we need to do a Deep Clean?**

Once a year ( or more frequently if required) we need to do a deep clean of the facility. Although we perform weekly housekeeping duties, which involves cleaning there will inevitably be areas that get missed. ( Under benches/doors/behind equipment etc). The scheduled deep clean ensures that these areas get the attention they need!. With the volume of work that goes on in the facility we need to make sure that the facility is kept as clean as possible to reduce the possibility of contaminations via this route.

**How will this affect your work?**

Historically we used to completely shut down the laboratory & perform the clean in a few days along with any other maintenance that was required. However, as the lab has grown & become a 24/7 operation this is no longer pragmatic. Therefore the laboratory will not shut down at all & all maintenance is performed around work going on throughout the year with minimum disruption. However, **the deep clean requires involvement from every laboratory user**. The two week window given allows flexibility & negotiation between laboratory users to help with the clean which fits around their individual work. As long as each respective lab performs the deep clean to a sufficient standard by the deadline then they are free to do it whenever they like in those two weeks. Please just sign the checklist when this is completed.

**What does the Deep clean involve?**

The deep clean is a much more involved cleaning process than the usual housekeeping cleaning.

All the equipment you require will be supplied & readily available for you to use.

**Laboratory Deep Clean Procedure**

Equipment needed:

* PPE ( Laboratory coats, gloves , Safety Glasses respirators)
* Mops and buckets
* Dust pan & brush
* 1% Virkon powder & container to mix in
* 70 % IMS
* Detergent ( Fairy Liquid)
* Cleaning cloths
* Paper Towel

*First Phase – To clean*

1. Remove and store all items on benches which have a storage place in drawers.
2. Dilute detergent in warm water in a plastic container
3. Clean all benches, doors, walls, trolleys, stools etc. with detergent to remove all dust and dirt. Rinse with clean water.
4. Clean all sinks with detergent and rinse with clean water.
5. Wipe all surfaces of equipment with clean cloth to remove dust .
6. Where possible move equipment forward to ensure you clean behind them.
7. Where possible move out cupboards/bins/trolleys or clean underneath/behind them as best you can.
8. Lift everything off the floors ( where possible)
9. Sweep up any excess dust or dirt with dust pan & brush
10. Mop ALL floors with Ultraviolet floor cleaner

*Second Phase – To disinfect*

1. Make up a solution of 1% Virkon in water in a plastic container ( 1 sachet with 5L of water)
2. Clean all benches, doors, walls,stools etc. with 1% virkon .
3. Clean all sinks with 1% virkon, leave for ten mintues, clean off with

IMS.

NOTE: Do not leave virkon on stainless steel sinks for more than 10

 Minutes..

1. Lift everything from the floors ( where possible)
2. Mop all floors with 1% virkon.

Rinse out all mops with water when finished.

Deep clean of Biological Safety Cabinets

1. Remove all items inside the cabinet
2. Clean inside and outside of the safety cabinet with virkon. Leave for 10 minutes & then repeat with IMS.( This includes lifting the grills and cleaning underneath the grills.)

 NOTE: Do not leave virkon on stainless steel surfaces for more than 10

 Minutes.

 **Please refer to SOP155 ‘ Routine cleaning & inspection methods for the**

 **Biological Safety Cabinets’ for full instructions for deep cleaning the**

 **BSC or ask your laboratory leader for assistance.**