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Protocol status: Working
We use this protocol and it's working

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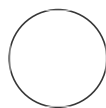
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Contaminated Liquid Disposal V.1

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ABSTRACT

This protocol is for the cleaning of contaminated glassware in our lab.

GUIDELINES

Virkon should only be used at the concentration specified on the packaging. Ensure sufficient PPE is worn in line with the Virkon SDS. Virkon should be disposed of after the pink colour fades, or after 1 week.

SAFETY WARNINGS



Virkon causes serious eye damage, wear appropriate PPE at all times when handling it.

BEFORE START INSTRUCTIONS

Virkon can be corrosive to lower-quality metals, where possible minimize contact with metal surfaces.

Keywords: cleaning,
contamination

In-Lab Cleaning

- 1 Fully dissolve one Virkon tablet per 500 mL of required solution.

Erlenmeyer Flasks

- 2 Fill flask with Virkon solution to about 3/4 of the total volume and leave covered.

Bottles

- 3 If the bottle is less than half full, fill the remainder with Virkon.
If the bottle is more than half full, pour into a larger container and refill the smaller bottle with Virkon.
If the bottle contains 500 mL or 1000 mL of liquid, deposit an appropriate number of Virkon tablets directly into the bottle.
- 4 After adding Virkon to contaminated glassware, leave for 24-48 hours.
- 5 Dispose of the Virkon down the sink and send glassware to autoclave.

Autoclaving Steps

- 6 All glassware containing contaminated fluid is placed in metal pails, with the exception of our flasks which are left in the tube rack on the autoclave shelf.
- 7 Two indicators are placed in, one on each shelf, which change colour when 121°C.

- 8 A probe is placed in 1 L of water to ensure liquid temperature is reached.
- 9 The autoclave is run on a No. 3 cycle, 121°C for 60 minutes.
- 10 The now-sterile liquid is emptied down the sink.
- 11 Bottles and flasks are soaked in Decon and Chlorox for one hour, scrubbed, and then left to soak for another hour. Reactor flasks are only soaked in Decon.
- 12 Glassware is rinsed with deionised water and left to dry in ovens.
- 13 Once dry, the glassware is moved to the sterilising autoclave which runs at 121°C for 15 minutes.
- 14 Glassware is left to dry overnight in the sterilising autoclave.