

Recommended protocol for cell culture disposal using an aspirator

Product	Dilution Rate	Microorganisms	Cell Lines	Contact Time
CHEMGENE MEDLAB Multi-Surface Disinfectant (Concentrate)	2% (20ml added to 980ml of waste cell culture media)	Bacteria, Yeast, Bacteriophage, all Enveloped Viruses	BHK-21, HeLa Ohio, CRFK and RAW264.7	1 hour
		Norovirus, Adenovirus, Fungi	BHK-21, HeLa Ohio, CRFK and RAW264.7	Overnight (18 hours)
	10% (100ml added to 900ml of waste cell culture media)	Bacteria, Yeast, Bacteriophage, all Enveloped Viruses, Norovirus, Adenovirus, Fungi, Mycobacteria	BHK-21, HeLa Ohio, CRFK and RAW264.7	1 hour
CHEMGENE MEDLAB Chlorine Disinfectant Tablets	4000ppm (4 tablets in 1 litre of waste cell culture media)	Mycoplasma, Bacterial Spores, and all Non-enveloped Viruses (including Poliovirus)	N/A	1 hour

Instructions for using CHEMGENE MedLab Multi-Surface Disinfectant

Add concentrate CHEMGENE to your empty aspirator flask

- CHEMGENE Multi-Surface Disinfectant Concentrate should be added at the desired dilution rate.

Fill the aspirator with liquid waste as normal

- Once full, allow the solution to sit for the required contact time to ensure complete disinfection.
- In some cases, CHEMGENE may bind to proteins to form haziness or precipitation, this is an expected reaction.

Dispose of the neutralised waste

- Any solid material should be separated and removed. Dispose of any solid waste as clinical waste.
- Liquid waste may be discharged into the drain or sink, accompanied by plenty of clean water, but you should consult your institution's guidelines.
- Waste may be autoclaved prior to disposal should this be required.

Clean / rinse your aspirator flask

- Ensure your aspirator flask is clean before you start the process again, by rinsing with clean water.

Instructions for using CHEMGENE MedLab Chlorine Disinfectant Tablets

Add CHEMGENE MedLab Chlorine Disinfectant Tablets to your empty aspirator flask

- CHEMGENE MedLab Chlorine Disinfectant Tablets should be added at 4000ppm, if your flask volume is 1 litre, add 4 CHEMGENE tablets.

Fill the aspirator with liquid waste as normal

- Once full, allow the solution to sit for one hour to ensure complete disinfection.

Dispose of the neutralised waste

- The liquid waste may be discharged into the drain or sink accompanied with plenty of clean water, but you should consult your institution's guidelines.

Clean / rinse your aspirator flask

- Ensure your aspirator flask is clean before you start the process again.



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CHEMGENE MEDLAB Chlorine Disinfectant Tablets	4000ppm (4 tablets in 1 litre of waste cell culture media)	Mycoplasma, Bacterial Spores, and all Non-enveloped Viruses	N/A	1 hour

Instructions for using CHEMGENE MedLab Multi-Surface Disinfectant

Add waste to an empty discard jar

- Use clearly labelled containers to separate cell culture waste from other types of laboratory waste.
- Distinguish between liquid waste (e.g., spent media) and solid waste (e.g., pipette tips, flasks).

Neutralise liquid waste

- CHEMGENE Multi-Surface Disinfectant Concentrate should be added at your desired dilution rate.
- Once the disinfectant is added, then attach the lid to the jar and label it clearly with the contents.
- Allow the solution to sit for the appropriate contact time to ensure complete disinfection.
- In some cases, CHEMGENE may bind to proteins to form haziness or precipitation, this is an expected reaction.

Dispose of waste through approved channels

- Any solid material should be separated and removed. Dispose of any solid waste as clinical waste.
- Liquid waste may be discharged into the drain or sink, accompanied by plenty of clean water, but you should consult your institution's guidelines.

Autoclaving

- CHEMGENE is suitable for autoclaving post-disinfection.

Instructions for using CHEMGENE MedLab Chlorine Disinfectant Tablets

Add waste to an empty discard jar

- Use clearly labelled containers to separate cell culture waste from other types of laboratory waste.
- Distinguish between liquid waste (e.g., spent media) and solid waste (e.g., pipette tips, flasks).

Neutralise liquid waste

- Use CHEMGENE MedLab Chlorine Disinfectant Tablets (for sporicidal or mycobactericidal efficacy) by adding 4 tablets, per 1 litre of water. Don't forget to select the product most suitable for your needs, never mix chemical products together.
- Once the disinfectant is added, then attach the lid to the jar and label it clearly with the contents.
- Allow the solution to sit for 1 hour to ensure complete disinfection.

Dispose of waste through approved channels

- Any solid material should be separated and removed. Dispose of any solid waste as clinical waste.
- Liquid waste may be discharged into the drain or sink, accompanied by plenty of clean water, but you should consult your institution's guidelines.

Autoclaving equipment

- If autoclaving post-disinfection, rinse all equipment with water first.

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