Chemgene MEDLAB.

NEW!

MULTI-SURFACE DISINFECTANT

Chemgene MEDLAB multi-surface disinfectant delivers a new, unique formulation designed with laboratory, forensic and healthcare settings in mind. The combination of active substances in Chemgene MEDLAB ensure that equipment and instruments can be routinely cleaned and disinfected to a consistently high standard, with less risk of antimicrobial resistance. Surfaces do not require rinsing following disinfection, which makes the process quick and easy.

PRODUCT FEATURES

- Non-corrosive
- Biodegradable ingredients
- Alcohol & chlorine free
- No rinsing required
- Denatures RNA/DNA
- Effective against MDR pathogens
- Economical dilution rates from 1 %
- Diluted solution effective for 3 months
- 5 litre containers made with 35% post-consumer recycled plastic

Chemgene MEDLAB Multi-Surface Disinfectants are suitable for the cleaning and disinfection of a variety of surfaces, instruments and equipment against bacteria, yeast, fungi, enveloped viruses, adenovirus and bacteriophage.

USE IN THE LABORATORY

Protection from pathogenic microorganisms

Carry out your daily tasks safe in the knowledge that you are protected from the risk of infection, even in the presence of organic spills. Use for the cleaning and disinfection of surfaces, instruments and lab equipment, including benches, shelves, fridges, water baths, centrifuges, incubators, discard jars, pipettes and non-medical devices.

USE IN HEALTHCARE SETTINGS

Protection from multi-drug resistant pathogens

Effective infection prevention and control in the healthcare environment for cleaning and disinfection to consistently high standards. Use for the cleaning and disinfection of walls, floors, surfaces, furniture, frequent touch-points and non-critical equipment.

Economical dilution rates from 1 %

General cleaning & disinfection: 1 %
High risk & biohazard conditions: 10 %

FORENSIC USE

Protection from cross-contamination

Protect against the risk of infection and prevent cross-contamination of DNA between crime scenes. Effective in denaturing DNA & RNA on a wide range of equipment including nitrile gloves, aluminium stepping plates, drying cabinets and disrobing tents, providing exceptional efficacy against relevant human health pathogens both in and outside the lab.

Passionate for science.

starlab

EXCEPTIONAL ANTIMICROBIAL ACTIVITY

Chemgene MEDLAB has been tested to the following European PT2 test standards.

Medical

- EN13727 & EN17387 (bactericidal)
- EN13624 & EN17387 (yeasticidal, fungicidal)
- EN16777 (virucidal – all enveloped viruses)
- EN16777 (Adenovirus, Norovirus)

Domestic

- EN14476 (virucidal – all enveloped viruses)
- EN14476 (Adenovirus, Norovirus)

Other

- EN13623 (Legionella)
- EN13610 (Bacteriophage)

DILUTION CHART

Effective against	Dilution rate	Contact time
Bactericidal. Incl. ESKAPE organisms, Moraxella, Streptococcus pyrogenes, E.coli	1 %	5 mins
Bactericidal. Legionella	1 %	10 mins
Yeasticidal. Incl. Candida alicans, Candida auris	1 %	10 mins
Virucidal (enveloped viruses). Incl. Vaccinia virus, HIV, Hepatitis B & C, Herpes Simplex, Coronovirus	1 %	10 mins
Fungicidal. Incl. Aspergillus brasilliensis	5 %	10 mins
Virucidal (non-enveloped viruses).		
Adenovirus	10 %	5 mins
Norovirus	10 %	30 mins

Please also refer to the Safety Data Sheets: starlab.click/medlab

MICROBIOLOGICAL EFFICACY

BACTERICIDAL EFFICACY

Test organisms	Test Ref	Test conditions	Test result
Acinetobacter baumanii	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction
Enterobacter cloacae	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction
Enterococcus faecium	EN13727	5 mins / low soil / 1 %, 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1% / 20 °C	>5 log reduction
Enterococcus hirae	EN13727	5 mins / high soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / high soil / 2 % / 20 °C	>5 log reduction
Escherichia coli	EN13727	5 mins / high soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction
Klebsiella pneumoniae	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 %, 20 °C	>5 log reduction
Legionella pneumophila	EN13623	10 mins / low soil / 1 % / 20 °C	>4 log reduction
	EN13623	5 mins / low soil / 2 % / 20 °C	>4 log reduction
Methicillin–resistant Staphylococcus aureus	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 min, low soil / 1 % / 20 °C	>5 log reduction
Moraxella catarrhalis	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil, 1 % / 20 °C	>5 log reduction
Pseudomonas aeruginosa	EN13727	5 mins / low soil, 1 % / 20 °C	>5 log reduction
	EN13727	5 mins / high soil / 2 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / high soil / 2 % / 20 °C	>5 log reduction
Staphylococcus aureus	EN13727	5 mins / high soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil, 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / high soil, 2 % / 20 °C	>5 log reduction
Streptococcus pyogenes	EN13727	5 mins / low soil / 1 % / 20 °C	>5 log reduction
	EN17387	5 mins / low soil / 1 % / 20 °C	>5 log reduction

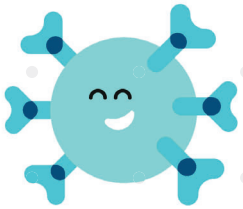
MICROBIOLOGICAL EFFICACY

VIRUCIDAL EFFICACY

Test organisms	Test Ref	Test conditions	Test result
Vaccinia virus including Coronavirus, Hepatitis B, Hepatits C, Herpes simplex, HIV	EN14476	1 min / low soil / 1 % / 20 °C	>4 log reduction
	EN14476	15 mins / high soil / 2 % / 2 °C	>4 log reduction
	EN16777	10 mins / low soil / 1 % / 20 °C	>4 log reduction
	EN16777	15 mins / high soil / 2 % / 20 °C	>4 log reduction
Adenovirus	EN14476	5 mins / low soil / 10 % / 20 °C	>4 log reduction
	EN16777	5 mins / low soil / 10 % / 20 °C	>4 log reduction
Norovirus	EN14476	2 mins / low soil / 10 % / 20 °C	>4 log reduction
	EN14476	5 mins / low soil / 5 % / 20 °C	>4 log reduction
	EN16777	30 mins / low soil / 10 % / 20 °C	>4 log reduction
	EN16777	45 mins / low soil / 5 % / 20 °C	>4 log reduction

VIRUCIDAL EFFICACY AGAINST BACTERIOPHAGES

Test organisms	Test Ref	Test conditions	Test result
Lactococcus lactis subsp. lactis P001 DSM 4262	EN13610	5 mins / 1% acidic whey / 0.5 % / 20 °C	>4 log reduction
Lactococcus lactis subsp. lactis P008 DSM 10567	EN13610	5 min, 1% acidic whey, 1%, 20°C	>4 log reduction



YEASTICIDAL/FUNGICIDAL EFFICACY

Test organisms	Test Ref	Test conditions	Test result
Aspergillus brasiliensis	EN13624	10 mins / low soil / 5 % / 20 °C	>4 log reduction
	EN17387	10 mins / low soil / 5 % / 20 °C	>4 log reduction
Candida albicans	EN13624	5 mins / high soil / 1 % / 20 °C	>4 log reduction
	EN17387	5 mins / high soil / 2 % / 20 °C	>4 log reduction
	EN17387	10 mins / low soil / 1 % / 20 °C	>4 log reduction
Candida auris	EN13624	5 mins / low soil / 2 % / 20 °C	>4 log reduction
	EN17387	5 mins / low soil / 2 % / 20 °C	>4 log reduction
	EN17387	10 mins / low soil / 1 % / 20 °C	>4 log reduction

ADDITIONAL DATA

Test method	Test result
Preservative Efficacy Testing	Complies with the test for the Efficacy of Antimicrobial Preservatives (European Pharmacopoeia 11th Edition)
DNA Denaturation	Effective at denaturing DNA in 5 mins, at 1% dilution
Stain and odour testing	Effective at removing staining and odour from carpet tiles caused by common household agents including red wine, coffee, garden soil and cat vomit, at 20% dilution
Hard surface cleaning test	Effective at cleaning both synthetic vomit and blood stains from polyurethane substrate (substitute for hard flooring), at 2% dilution

Chemgene MEDLAB MULTI-SURFACE DISINFECTANT

ORDERING INFORMATION

				
Description	1 Litre Self-dosing Container Chemgene MEDLAB Multi Surface Disinfectant Clear, Unfragranced 100%	5 Litre Pump Container Chemgene MEDLAB Multi Surface Disinfectant Clear, Unfragranced 100%	5 Litre Pump Container Chemgene MEDLAB Multi Surface Disinfectant Blue, Eucalyptus 100%	Pump for use with 5 Litre Containers 10 ml dosage
Article No. Pack Size	**SKU074A** 6 x 1 Litre	**SKU075A** 2 x 5 Litres	**SKU077A** 2 x 5 Litres	**TR021** 1 x pump

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TECHNICAL DATA

Shelf life	2 years, at optimal storage conditions. Diluted concentrate is effective for 3 months.
Storage conditions	Store at ambient temperature in a closed container. Protect from frost. Protect from heat. Keep away from oxidising substances. Incompatibility with other materials: oxidising substances, anionics, peroxides, acids.
pH	Concentrate: 10.50 – 11.40. 1%/2% dilution: 9.00 – 10.00 10% dilution: 9.50 – 11.00. 20% dilution: 10.50 – 11.40
Application areas	Disinfectants and algaecides. Not intended for direct application to humans or animals. Not to be used on medical devices. Remove excess soiling prior to disinfection.
Material compatibility	Suitable for the cleaning and disinfection of an array of hard surfaces, instruments and equipment. Material compatibility testing has been carried out on the following materials up to 20 % dilution: stainless steel, mild steel, copper, nylon, acetal and rubber; aluminium at 10 %, and; polyurethane substrate, wool carpets & rugs at 2 % dilution.
Disposal method	Once diluted (maximum 10%), Chemgene MEDLAB can be disposed of to drains and flushed with as much clean water as practical. Concentrate must be diluted first. To reduce waste, only dilute what is required. This refers to unused product only. For used product, disposal must be in accordance with either national regulations or your institution's own guidelines on disposal of hazardous waste.
Packaging info	5 L containers are made from 35 % post consumer recycled material. (Byotrol is working with suppliers to source a 1 L bottle with recycled content.) The 5 L and 1 L containers are recyclable. Shipper boxes are made from 100% recycled cardboard.

EXCEPTIONAL ANTIMICROBIAL ACTIVITY!

ECONOMICAL DILUTION RATES!

SUITABLE APPLICATIONS

- Benches and worksurfaces
- Fume hoods
- Biosafety cabinets
- Incubators and refrigerators
- Autoclaves
- Water baths (always rinse with clean water before refilling)
- Pipettes and pipette tips
- Cell cultures
- Discard jars
- Glassware
- Instruments and equipment eg. balances, mixers, shakers
- Computer equipment
- Door handles and light switches
- Sample containers
- Storage bins
- Waste disposal bins/areas
- Sinks and taps
- Walls and floors

Chemgene MEDLAB multi-surface disinfectant is compliant with regulations in the UK and EU including the Biocidal Products Regulation (BPR), Classification of Labelling and Packaging (CLP) and Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) regulations.