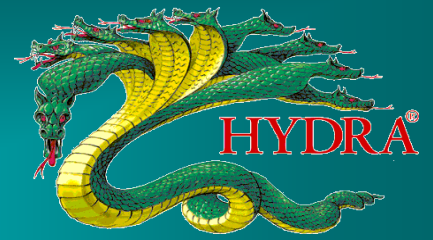


COBRA



Antiviral Disinfectant Concentrate

Effective Against COVID-19. Tested to International Standards:
EN 1276, EN 1650, EN 13624, EN 13697:2015, EN 13727, EN 14476



HYDRA

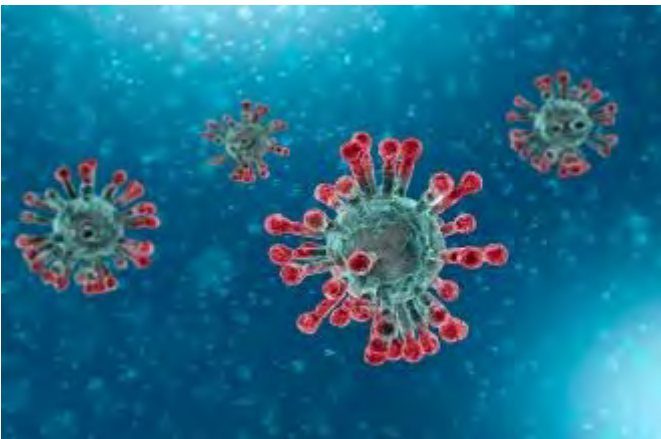
Features & Advantages

- Highly concentrated disinfectant.
- Dilution rate 1:20/1:100 for COVID-19 protection.
- Fast acting, kills 99.9% of bacteria with 30 seconds including E.coli and Salmonella.
- Tested to EN 14476 standard for effectiveness against enveloped viruses.
- Complies with European Biocidal Products Directive.
- Suitable for all hard surfaces and equipment.
- Effective in hard water areas.
- Uses latest DDAC twin alkyl chain structure.
- Broad spectrum of activity against both gram positive and gram negative bacteria, viruses and fungi.
- Tested to International Standards including EN 1276, EN 1650, EN 13624, EN 13697 and EN 14476
- Versatile Applications: Use by soak, spray or fogging methods.
- Manufactured in UK.

The Problems

The COVID-19 pandemic is causing massive upheaval for everyone, this virus can live on surfaces for up to 9 days. Hospital acquired infections are also on the increase.

There has been a return of diseases such as TB and Polio as well as the threat of Avian Influenza (bird flu) and H1N1 Swine Flu.



Fungi, viruses and bacteria can cause food borne illness. Bacteria related food poisoning is the most common, but fewer than 20 of the many thousands of different bacteria actually are the culprits.

More than 90 percent of the cases of food poisoning each year are caused by *Staphylococcus aureus*, *Salmonella*, *Clostridium perfringens*, *Campylobacter*, *Listeria monocytogenes*, *Vibrio parahaemolyticus*, *Bacillus cereus*, and Enteropathogenic *Escherichia coli*.

These bacteria are commonly found on many raw foods. Normally a large number of food-poisoning bacteria must be present to cause illness.

The temperature range in which most bacteria grow is between 40°F (5°C) and 140°F (60°C), making it essential to keep surfaces free of harmful micro-organisms.

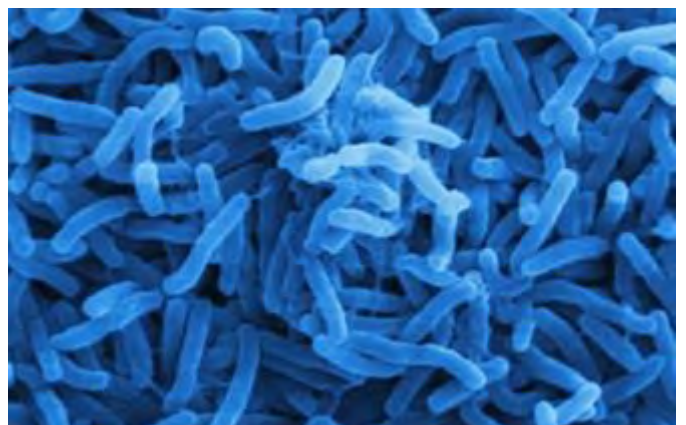


Therefore, illness can be prevented by controlling the initial number of bacteria present.

This prevents the small number from growing by, sanitising food preparation and other surfaces with a disinfectant.

Poor personal hygiene, improper cleaning of storage and preparation areas and unclean utensils often cause spread of diseases.

Recently there have been concerns over both safety and efficacy of traditional disinfection methods has led to the European Biocidal Products Directive.



Description



Hydra Cobra Antiviral Disinfectant Concentrate is a broad-spectrum, disinfectant.

Which kills a wide range of viruses and bacteria, including MRSA, E. Coli, and C. Diff. Prevents common viruses like the flu, Covid-19 and cold from spreading.

Its heavy duty biocide formula that has no harsh fumes, is non-corrosive, and bleach-free making it suitable in outdoor and indoor environments.

It uses a DDAC twin alkyl chain structure, unlike competitive products only using a single alkyl chain structure. The twin structure gives lower concentrations to achieve the same biocidal activity, thereby safer for human contact and reduces the environmental load.

Hydra Cobra Antiviral Disinfectant Concentrate promotes cell membrane destabilisation of viruses, bacteria and fungi thus reducing the rate of emergence of resistant strains, which is a concern with some disinfecting/biocidal agents.

Longevity of action, the persistence of the antimicrobial action can exceed 24 hours.

FOOD SAFE

Kills 99.9% bacteria whilst being odourless, non-tainting and safe to use in the kitchen, on dishes, tables, door handles, fridges and all other household areas.

Perfect product for regularly sanitising any surface in the workplace and home including countertops, handles, chairs, floors. Suitable for hospitals, schools, nurseries, restaurants, churches, shops and more.

Multi-Purpose Virus Protection. Disinfect and sanitise a wide range of hard surfaces: tables, walls, floors, door handles and regular contact surfaces such as phones, light switches, etc.

Tested to EN Standards - 1276, 1630, 13624, 14476 making it suitable for use in food, industrial, domestic institutional and hospital areas.

Manufactured in accordance with ISO 9001 Quality, ISO 14001 Environmental and ISO 45001 Health & Safety management systems.



How To Use



Easy to use - Works as a multi-functional product. Can be used for spray wiping, fogging and mopping through cleaning equipment including floor scrubbers and pressure washers. Use on hard and surfaces to clean, disinfect and sanitise.

Just fog, mop, wipe or spray the surface and either leave it to air dry or wipe dry.

HIGHLY CONCENTRATED

Dilute with water 1:20 or 1:100 for Fogging.

For example, mix 25ml with 500ml water or 50ml with 1 litre water. Spray on surface and clean with cloth. Antibacterial cleaner will kill 99.9% of bacteria and viruses on the surface.

Mix 5ml with 500ml water, or 10ml with 1 litre water for fogging machines.



Efficacy Test Results

TEST METHODS

EN 1276 Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas. Test methods and requirements.

EN 1650 Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas. Test methods and requirements.

EN 13624 Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area. Test methods and requirements.

EN 13697 Chemical disinfectants and antiseptics. Quantitative non-porous surface test for the evaluation of bactericidal activity and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas. Test methods and requirements without mechanical action.

EN 13727 Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of bactericidal activity in the medical area. Test methods and requirements.

EN 14476 Chemical disinfectants and antiseptics. Quantitative suspension test for the evaluation of virucidal activity in the medical area. Test methods and requirements.

Test Method	Organism	Active (ppm)	Use Dilution
Suspension Tests - Dirty Conditions			
EN 1276: Bactericidal activity 5 min dirty conditions	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae Escherichia coli	1125 ppm	2.50%
EN 1650: Fungicidal activity 15 min dirty conditions	Aspergillus brasiliensis Candida albicans	2250 ppm	5.00%
EN 1650: Yeasticidal activity 15 min dirty conditions	Candida albicans	45 ppm	0.10%
Suspension Tests - Clean Conditions			
EN 1276: Bactericidal activity 5 min clean conditions	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae Escherichia coli	225 ppm	0.50%
EN 1650: Fungicidal activity 15 min clean conditions	Aspergillus brasiliensis	2250 ppm	5.00%
EN 1650: Yeasticidal activity 15 min clean conditions	Candida albicans	338 ppm	0.75%
Medical Area - Dirty Conditions			
EN 13727: Bactericidal activity 1 min dirty conditions	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	2250 ppm	5.00%
EN 13624: Fungicidal activity 5 min dirty conditions	Aspergillus brasiliensis	225 ppm	0.50%
EN 13624: Yeasticidal activity 5 min dirty conditions	Candida albicans	45 ppm	0.10%
Medical Area: Clean Conditions:			
EN 14476: Virucidal activity clean conditions	Poliovirus type 1 - 15 min Adenovirus type 5 - 15 min Murine norovirus - 5 min Covid-19 - 5 min	2000 ppm	5.00%

Efficacy Test Results

Test Method	Organism	Active (ppm)	Use Dilution
Surface Tests: Dirty conditions			
EN 13697: Bactericidal activity 5 min dirty conditions	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae Escherichia coli	1800 ppm	4.00%
EN 13697: Bactericidal activity 5 min dirty conditions	Listeria monocytogens Salmonella typhimurim	1800 ppm	4.00%
EN 13697: Bactericidal activity 15 min dirty conditions	Pseudomonas aeruginosa	1350 ppm	3.00%
EN 13697: Fungicidal activity 5 min dirty conditions	Aspergillus brasiliensis Candida albicans	225 ppm	0.50%
EN 13697: Yeasticidal activity 15 min dirty conditions	Candida albicans	45 ppm	0.10%
EN 13697: Yeasticidal activity 5 min dirty conditions	Candida albicans	450 ppm	1.00%
Surface Tests: Clean conditions			
EN 13697: Bactericidal activity 5 min clean conditions	Acinetobacter baumannii Enterococcus faecium Staphylococcus aureus MRSA Escherichia coli ESBL	2250 ppm 225 ppm	5.00% 0.5%

Efficacy Tests Summary

	Suspension Test		Surface Test	
	Contact Time	Use Dilution	Contact Time	Use Dilution
Bactericidal activity	5 min* 5 min	0.5% 2.5%	5 min 15 min	4.0% 3.0%
Yeasticidal activity	15 min	0.1%	5 min 15 min	1.0% 0.1%
Fungicidal activity	15 min	5.0%	15min	5.0%
Full virucidal activity	15 min*	5.0%	15 min*	5.0%
* Clean conditions				



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