Virulabs

PRODUCT INFORMATION SHEET

VIRUCIDE

ONE STEP CLEANER & DISINFECTANT

Bactericidal / Fungicidal / Mildewstatic / Virucidal

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Virucide may be used to clean and disinfect a wide range of surfaces to specifically target common pathogenic bacteria and viruses - ensuring maximum hygiene levels are achieved for medical, veterinarian, animal and public health environments. Virucide disinfects, cleans and reodorizes in one labour saving step.

Virucide is a multi-purpose, neutral pH, germicidal detergent and deodorant effective in hard water up to 400 ppm (calculated as CaCO3) in the presence of a moderate amount of soil (5% organic serum) according to the AOAC Use-dilution Test.

Advantages of Virucide

Wide Spectrum

- Bactericidal / Fungicidal / Mildewstatic / Virucidal.
- Kills a wide range of fungi, human and animal viruses.
- One product can be used to target a wide range of pathogens.

Highly Concentrated

- 5 litres of concentrate will make 645 litres approx of ready to use product at 1:128 solution.
- Provides great value for money.

Multipurpose

- Able to be used in multiple situations.
- Spray'n'wipe, floor mopping, general hard surface cleaning and sanitising applications.

Simple Cleaning Programme

- Rather than buying separate floor cleaner, spray'n'wipe, sanitiser etc - Virucide can be used for multi-purposes.

Recommended Areas of Use

Recommended for use in Veterinary Clinics, Animal Laboratories, Kennels, Farms, Zoos and Pet Shops.

Active Ingredients

Didecyldimethylammonium chloride
(CAS 7173-51-5) -53 g/l
Benzyl-C12-16-alkyldimethylammonium chloride
(CAS 68424-85-1)-32 g/l

Dilution Instructions

For hard surface cleaning and sanitising: use at a ratio of 1:128 (0.8% approx) or 8ml per L of potable water.

Spray'n'Wipe: 2 x 4ml plunges per 1L Spray Bottle of cold, potable water.

Floor Mopping: 10 x 4ml plunges to 5L (half a bucket) of potable warm water. 5 x 4ml plunges (0.4% solution) is adequate for re-washing of areas and for general biostatic control.

At 1:128 dilution rate a minimum 660ppm active ingredient is provided.

Effective on Animal Viruses

Including but not limited to:

Avian Polyomavirus
Canine Distemper Virus
Equine Herpes Virus Type 1 (EHV-1)
Feline Coronavirus (FCoV)
Feline Leukemia Virus
Feline Immuno Virus (FIV)
Feline Panleukopenia (FPV) (Feline Distemper, Feline Infectious Enteritis, Fleine Ataxia, or Cat Plague)
Feline Picornavirus
Infectious Bovine Rhinotracheitis
Infectious Bronchitis (Avian IBV)
Porcine Parvovirus (PPV)
Pseudorabies Virus (PRV)
Rabies
Transmissible Gastro Enteritis Virus (TGE)

MPI Approved C32 (All animal products except dairy)

Virulabs Virucide range includes: 1L, 5L, 20L, 1L empty applicator bottle.

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Efficacy Data

Effective at the recommended dilution rate of 1:128 against the following pathogens:
Data prepared for USA EPA formula registration.

Bacteria

Acinentobacter calcoaceticus
Bordetella bronchiseptica
Chlamydia psittaci
Enterobacter aerogenes
Enterococcus faecalis (streptococcus)
(VRE)
Escherichia coli
Fusobacterium necrophorum
Klebsiella pneumoniae
Legionella pneumophila
Listeria monocytogenes
Mycoplasma bovis (M. bovis)*
Pasteurella multocida
Proteus mirabilis & Proteus vulgaris
Pseudomonas aeruginosa
Salmonella enteritidis
Salmonella typhi
Salmonella typhimurium
Serratia marcescens
Shigella flexneri & Shigella sonnei
Staphylococcus aureus (MRSA)
Staphylococcus aureus - Vancomycin
Intermediate Resistant - (VISA)
Staphylococcus epidermidis
Streptococcus (Enterococcus) faecalis
Streptococcus pyogenes ATCC & antibiotic - resistant strain

Fungi

Aspergillus niger
Candida albicans
Trichophyton mentagrophytes (Athlete's foot fungus)

***** Based on locally sourced data and independent international research, QAC and twin-chain QAC (quaternary ammonium compounds), are effective against Mycoplasma bovis, when used as per instructions, on clean hard surfaces. Further information relating to efficacy can be provided on request.

**** Note:**
Although specific testing has not yet been undertaken on FIV, efficacy data is available for HIV, and as the two are very similar in structure, Virucide is effective on FIV (as surrogate).

***** Note:**
Although specific testing does not relate to Canine Parvovirus, efficacy data is available for Porcine Parvovirus (PPV), and as the two are very similar in structure, Virucide is effective on Canine Parvovirus (as surrogate).

Viruses

Adenovirus Type 4
Adenovirus Type 7
Hepatitis B Virus (HBV)
Hepatitis C Virus (HCV)
Herpes Simplex Type 1&2
Newcastle Disease
Human Coronavirus
HIV-1 (AIDS virus)
Influenza A / Hong Kong
Respiratory Syncytial Virus (RSV)
Rotavirus
Rubella (German Measles)
SARS associated Coronavirus
Vaccinia

Kills HIV-1 (AIDS Virus) and HBV (Hepatitis B Virus) and HCV (Hepatitis C Virus) of pre-cleaned, environmental surfaces / objects previosly soiled with blood / body fluids in health care settings in which there is an expected likelihood of soiling of inanimate surfaces / objects with blood / body fluids, and in which the surfaces / objects likely to be soiled with blood / body fluids can be associated with potential for transmission of Human Immunodeficiency Virus Type I (HIV-1) (associated with AIDS) or Hepatitis B Virus (HBV) or Hepatitis C Virus (HCV).

Animal Viruses

Avian Polyomavirus
Canine Distemper Virus
Equine Herpes Virus Type 1 (EHV-1)
Feline Coronavirus (FCoV)
Feline Leukemia Virus
Feline Immuno Virus (FIV)**
Feline Panleukopenia (FPV) (Feline Distemper, Feline Infectious Enteritis, Fleine Ataxia, or Cat Plague)
Feline Picornavirus
Infectious Bovine Rhinotracheitis
Infectious Bronchitis (Avian IBV)
Porcine Parvovirus (PPV)***
Pseudorabies Virus (PRV)
Rabies
Transmissible Gastro Enteritis Virus (TGE)

Further information relating to efficacy can be supplied on request.

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Veterinary Practice / Animal Care Zoos / Kennels

For cleaning and disinfecting hard nonporous surfaces and equipment used for animal food or water, utensils, instruments, cages, kennels, stables, catteries, etc. Remove all animals and feeds from premises, animal transportation vehicles, crates, etc.

Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with a use-solution as per directions for a period of 10 minutes. Wipe or allow to air dry. Ventilate buildings and other closed spaces.

Thoroughly scrub all treated surfaces that come into contact with food, including equipment used for feeding or watering, with soap or detergent and rinse with potable water before reuse. Do not house animals or employ equipment until treatment has been absorbed, set or dried.

Canine Parvovirus should be treated using Virucide at a dilution of 1:32 (30ml per L).

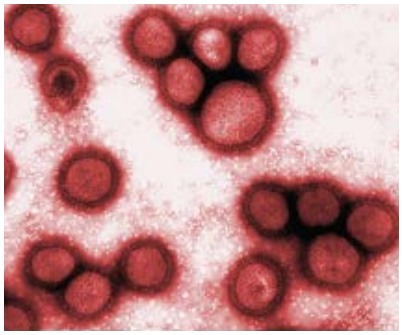
Cleaning Surfaces Contaminated with HIV (AIDS Virus) HEP B or HEP C

Personal Protection: Disposable protective gloves, gowns, face masks or eye coverings, as appropriate, must be worn during all cleaning of blood / body fluids and during decontamination procedures.

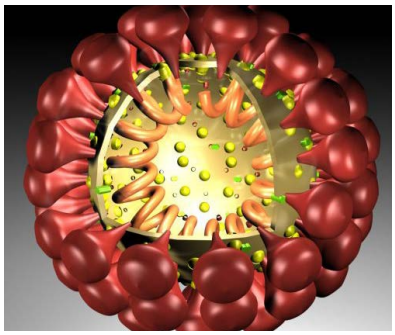
Cleaning Procedures: Blood / body fluids must be thoroughly cleaned from surfaces / objects before application of disinfectant.

Contact Time: HIV-1 (AIDS virus) is inactivated after a contact time of 4 minutes at 25°C (room temperature). Hepatitis B and Hepatitis C are inactivated after a 10 minute contact time. Use a 10-minute contact time for other viruses, fungi and bacteria listed.

Disposal of Infectious Materials: Blood / body fluids should be auto-claved and disposed of according to DHB, health department and local council regulations for infectious waste disposal.



Virulabs Virucide has been proven effective, when used correctly against the Avian Polyma virus.



Use **Virucide** to protect against the spread of Canine Parvovirus which is one of the most common and deadly infectious diseases of dogs.

Farm Premise, Livestock, Poultry Premise Disinfection

Remove all animals and feeds from premises, trucks, coops, crates and enclosures. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, vehicles, and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances.

Thoroughly clean all surfaces with soap or detergent, then rinse with water. Saturate all surfaces with the recommended 1:128 disinfecting solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels and scrapers used for removing litter and manure. Ventilate buildings, coops, cars, trucks, boats and other closed spaces.

Do not house animals or employ equipment until treatment has been absorbed, set or dried. After treatment with Virucide, thoroughly scrub feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, then rinse with potable water before reuse.

Manufactured in New Zealand by:

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EMERGENCY CONTACT
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