



INFECTION PREVENTION RANGE

February 2021

VIRUSES

Coronavirus, Norovirus, Influenza (Flu)

A virus is a microscopic parasite which can infect living organisms and cause disease. It can make copies of itself inside another organism's cells. Generally, viruses are much smaller than bacteria but that doesn't make them any less dangerous. Because viruses are not strictly alive they can exist on surfaces for many weeks and this makes them difficult to control.



Within the virus class we have 2 types; **non-enveloped** and **enveloped**. Non-enveloped viruses are composed of capsid protein and nucleic acid (DNA or RNA), termed the nucleocapsid, which constitute an infectious unit, the virion, whereas Enveloped viruses are composed of an envelope along with the nucleocapsid.

Can viruses be effectively controlled?

Historically most disinfectants have been tested to BS EN 1276; this is a suspension test which involves the exposure of bacteria to a chemical over a set time period and looking at the number of bacteria which can reproduce after the exposure is complete. A log 5 reduction is required to pass this test; this means that if 1,000,000 bacteria were exposed to the disinfectant and 10 were left this would result in a **99.999% reduction** (a log 5).

Due to the Covid-19 pandemic people are more interested in tests that were developed for medical purposes, this includes BS EN 14476. For this test to pass we need to see a log 4 reduction (**99.99% inactivation for a pass**).

To eliminate a virus such as the Covid-19 strain of Coronavirus (SARS-CoV-2) we need to see that the product has passed the full version or a modification of the same test which includes a specific strain of an enveloped virus (a coronavirus is an enveloped virus).

BACTERIA

BS EN 1276 is the European standard for the bactericidal activity of chemical disinfectants. In order to pass this standard, products must prove a bacteria kill rate of **99.999%** within 5 minutes.



Methicillin Resistant Staphylococcus Aureus (MRSA)

Cases of infection caused by Methicillin Resistant Staphylococcus Aureus (MRSA) are on the increase in the care sector. However, the dangers of this virulent superbug are not limited to hospitals. MRSA infection can actually occur in any communal establishment and can have potentially disastrous consequences to health. In order to prevent infection outbreaks, it is essential to use a disinfectant that has been tested against a specified strain of MRSA to BS EN 1276.

SPORES

Clostridium Difficile (C.Difficile)

Clostridium Difficile is a spore-forming bacterium. This makes it difficult to combat using traditional disinfectants, as spores are able to survive and breed even in harsh conditions. In order to ensure effective control of C. Difficile, a sporicidal disinfectant must therefore be used.



To ensure that a product is effective against Clostridium Difficile spores, check that it complies to **BS EN 13704** (European standard for the sporicidal activity of chemical disinfectants).

EFFICACY TESTING

Clover Chemicals have a range of products that help to control the spread of infection. Products are put through rigorous testing by independent research laboratories to ensure the effectiveness against viruses and bacteria. The table below shows the efficacy tests that each product passes with the required dilution rates and contact times.

	EN 1276	EN 13704	EN 14476 (Enveloped viruses)	EN 14476 (Non-Enveloped viruses)
NON-CHLORINE				
Ultra AX	Neat - 60 Seconds	-	Neat - 60 Seconds	-
Ultra Xtreme	1:15 - 5 Minutes	-	1:9 - 60 Seconds	1:9 - 5 Minutes
Terra-Floor Ultra	1:30 - 5 Minutes	1:30 - 5 Minutes	1:60 - 5 Minutes	-
AHS-70	(EN 13727 + EN 1500) - 30 seconds	-	Neat - 30 Seconds	Neat - 30 Seconds
CHLORINE BASED				
Versan	1:24 - 5 Minutes	1:24 - 5 Minutes	1:24 - 5 Minutes	1:24 - 5 Minutes
Versan RTU	Neat - 5 Minutes	Neat - 5 Minutes	Neat - 5 Minutes	Neat - 5 Minutes



ULTRA AX

Ready-to-Use Virucidal / Bactericidal Disinfectant

- A ready to use Virucidal/Bactericidal Disinfectant safe for use on all water washable hard surfaces.
- Virucidal activity against all enveloped viruses including Coronavirus, Influenza virus and Rubella Virus.
- Suitable for use in food preparation areas. Use daily to maintain clean and hygienic conditions.
- Kills 99.999% of bacteria and 99.99% of viruses (Passes **EN 1276** and **EN 14476**).
- Contact time for enveloped viruses (Coronavirus): **60 Seconds**.



Code: 259

Available pack sizes:
750ml, 5 Litre



ULTRA XTREME

Concentrated Virucidal / Bactericidal Disinfectant

- A multi purpose surface disinfectant which is suitable for use on all hard surfaces that are washable.
- Effective against **enveloped & non-enveloped** viruses. Passes **EN 1276**, **EN 13697**, **EN 14476**, **EN 1650**.
- Active against Coronavirus, Poliovirus Type 1, Adenovirus Type 5 and Murine Norovirus.
- Contact time for enveloped viruses (Coronavirus): **60 Seconds**.
- Contact time for non-enveloped viruses (Norovirus): **5 minutes**.



Code: 261

Available pack sizes:
1 Litre, 5 Litre



TERRA-FLOOR ULTRA

Virucidal Floor and Multi Purpose Disinfectant

- A virucidal and bactericidal disinfectant that leaves a fresh long lasting pine fragrance.
- Safe for use on all hard floors including polished, marble, linoleum, wood, PVC and tiled floors.
- Virucidal activity against all enveloped viruses including Coronavirus, Influenza virus and Rubella Virus.
- Kills 99.999% of bacteria (**Passes EN 1276**). **Contact time: 5 minutes**.
- Effective against C. Difficile spores (**Passes EN 13704**). **Contact time: 5 minutes**.
- Kills 99.99% of enveloped viruses (**Passes EN 14476**). **Contact time: 5 minutes**.



Code: 282

Available pack sizes:
5 Litre



VERSAN RTU

Ready-to-Use Disinfectant Spray

- Bactericidal, fungicidal, yeasticidal, virucidal ready to use spray.
- Broad spectrum surface disinfectant for use in the food industry and healthcare sector.
- Kills 99.999% of bacteria. Tested to **EN 1276**, **EN 1650**, **EN 1656**, **EN 1657**, **EN 13624**, **EN 13697**, **EN 13704**, **EN 14349**, **EN 14476**, **EN 14561**, **EN 14562**, **EN 14675**.
- Sodium Hypochlorite based - Contains over **1000ppm**.



Code: 257

Available pack sizes:
750ml



VERSAN

Broad Spectrum Surface Disinfectant

- Bactericidal, fungicidal, yeasticidal, virucidal.
- Broad spectrum surface disinfectant for use in the food industry and healthcare sector.
- Kills 99.999% of bacteria. Tested to **EN 1276**, **EN 1650**, **EN 1656**, **EN 1657**, **EN 13624**, **EN 13697**, **EN 13704**, **EN 13727**, **EN 14349**, **EN 14476**, **EN 14561**, **EN 14562**, **EN 14675**.
- Sodium Hypochlorite based - Contains over **1000ppm** when diluted at 1:24.



Code: 260

Available pack sizes:
1 Litre, 5 Litre



AHS-70

70% Alcohol Hand Gel

- An easy to use quick drying treatment that ensures effective sanitising of hands.
- Effective against **enveloped & non enveloped** viruses (Coronavirus, Norovirus, Influenza).
- Passes **EN 1040**, **EN 1500**, **EN 12791**, **EN 13727**, **EN 1275**, **EN 1650**, **EN 13624**, **EN 14348**, **EN 14476**.
- Unperfumed and non-tainting - Suitable for use in the food industry.
- Suitable for the health care industry to prevent spread of contaminating organisms.
- Hypoallergenic formula - Safe for use on all kinds of skin.



Code: 294

Available pack sizes:
300ml, 5 Litre



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