

Key Features

ULTRA is fragrance free, chlorine free, alcohol free, and exhibits the following key qualities when in use; Non-corrosive, Non-irritant, Non-toxic, food safe, safe in use, cost effective, degrades / decomposes into safe by-products after use (water and oxygen), easy to use, excellent levels of user acceptance with a prolonged antimicrobial effect and excellent materials compatibility.

What is ULTRA?

ULTRA is a world class high level sporicidal disinfectant technology offering rapid, safe and effective disinfection across a range of industries from healthcare to education establishments to food processing sites.

The technology within the ULTRA product is based on peracid with an adjuvant effect to enhance its antimicrobial activity, Peracids produce destructive hydroxyl free radicals which are strong oxidising agents.

The antimicrobial function of ULTRA is similar to other high level sporicidal disinfectants such as peracetic acid and hydrogen peroxide whose primary mechanism of action is also achieved by oxidation as a result of the production of hydroxyl free radicals.

What has it been designed for?

ULTRA has been developed for high level disinfection of hard and soft surfaces, environments, equipment and air. It is to be used in areas in which the reduction of bioburden is needed to be achieved, to enable the interruption of key transmission pathways (surfaces and air) and reduce the risk of cross infection and contamination.

ULTRA has also been specifically developed to be sprayed through our electrostatic sprayers, to be used at the disinfection stage of the cleaning process.

How does ULTRA effect microbes?

The hydroxyl free radicals produced by ULTRA are responsible for its potent antimicrobial activity. Hydroxyl free radicals have multiple points of action on microbes, which include:

- Attacking membrane lipids
- Breaking apart nucleic acids (DNA and RNA)
- Denaturing proteins
- Disrupting cell wall permeability
- Oxidation of sulfhydryl and sulphur bonds in proteins, enzymes and other metabolites.

Proteins, lipids and nucleic are the essential components of bacteria, fungi, viruses and bacterial spores. Significant damage to one of more of these components is often fatal for the microbe.

The destructive nature of the hydroxyl free radicals coupled with multiple points of action result in ULTRA having a lethal effect on microbes within seconds / minutes of initial contact.

How effective is ULTRA?

ULTRA is a ultra-high level, broad spectrum disinfectant which is effective against all microbial classes up to and including bacterial spores. See below table for the summary of microbial classes and results of testing.

Ultra kills C - Diff in under 2 mins.

MICROBIAL CLASS	EFFICACY TEST	CONTACT TIME (Mins)	LOG REDUCTION
BACTERIA (gram + / Gram -)	EN 1276	1	> 5
	AOAC—Bactericidal 6	1	> 6
VIRUSES (enveloped and non enveloped)	EN 14476	5	> 4
	AOAC—Virucidal	5	> 4
FUNGI	EN 1650	1	> 5
	AOAC—Fungicidal	5	> 6
BACTERIAL SPORES	EN 13704	1	> 6
	AOAC—Sporicidal	5	> 6
MYCOBACTERIA	EN 14563:2008	5	> 4



AVAILABLE IN:
 2 x 5L - 200ml
 Just add water
 Green concentrate

ORGANISM LIST

SPORICIDAL PERFORMANCE AGAINST C. DIFFICILE SPORES:

This product kills and/or inactivates the following spore in 2 minutes on hard, non-porous surfaces:

Clostridium difficile {(ATCC 43598)}

DISINFECTION PERFORMANCE:

This product kills the following bacteria in 2 minutes on hard, non-porous surfaces:

Acinetobacter baumannii {(ATCC 19606)}

Bordetella pertussis {(ATCC 12743)}

Enterococcus faecalis {Vancomycin Resistant} {(VRE)} {(ATCC 51575)}

Escherichia coli {(ATCC 11229)}

Escherichia coli {(Extended Spectrum B-Lactamase)}{(ESBL)} {(BAA-196)}

Klebsiella pneumoniae {(ATCC 4352)}

Klebsiella pneumoniae {Carbapenem Resistant} {(BAA-1705)}

Proteus mirabilis {(ATCC 9240)}

Pseudomonas aeruginosa {(ATCC 15442)} *Salmo-*

nella enterica {(ATCC 10708)} *Staphylococcus*

aureus {(ATCC 6538)}

Staphylococcus aureus {Community Acquired Methicillin Resistant} {(CA-MRSA)} {(Genotype USA300)}

Staphylococcus aureus {Community Acquired Methicillin Resistant} {(CA- MRSA)} {(Genotype USA400)}

Staphylococcus aureus {Methicillin Resistant} {(MRSA)} {(ATCC 33592)}

Staphylococcus aureus {Vancomycin Intermediate Resistant} {(VISA)} {(HIP 5836)}

Streptococcus pneumoniae {(ATCC 6305)}

Streptococcus pyogenes {(ATCC 19615)}

This product kills the following bacteria in 2 minutes on hard, non-porous surfaces:

Acinetobacter baumannii {(ATCC 19606)}

Bordetella pertussis {(ATCC 12743)}

Enterococcus faecalis {Vancomycin Resistant} {(VRE)} {(ATCC 51575)}

Escherichia coli {(ATCC 11229)}

Escherichia coli {(Extended Spectrum B-Lactamase)} {(ESBL)} {(BAA-196)}

Klebsiella pneumoniae {(ATCC 4352)}

Klebsiella pneumoniae {Carbapenem Resistant} {(BAA-1705)}

Proteus mirabilis {(ATCC 9240)}

Pseudomonas aeruginosa {(ATCC 15442)} *Salmo-*

nella enterica {(ATCC 10708)} *Staphylococcus*

aureus {(ATCC 6538)}

Staphylococcus aureus {Community Acquired Methicillin Resistant} {(CA- MRSA)} {(Genotype USA300)}

Staphylococcus aureus {Community Acquired Methicillin Resistant} {(CA- MRSA)} {(Genotype USA400)}

Staphylococcus aureus {Methicillin Resistant} {(MRSA)} {(ATCC 33592)}

Staphylococcus aureus {Vancomycin Intermediate Resistant} {(VISA)} {(HIP 5836)}

Streptococcus pneumoniae {(ATCC 6305)}

Streptococcus pyogenes {(ATCC 19615)}

This product kills the following bacteria in 10 minutes

Bordetella bronchiseptica {(ATCC 10580)} *Campylobacter jejuni* {(ATCC 29428)}

Corynebacterium ammoiaenes {(ATCC 6872)}

Enterococcus faecalis {Vancomycin Resistant} {(VRE)} {(ATCC 51575)}

Escherichia coli O157:H7 {(ATCC 35150)} *Klebsiella pneumoniae* {(ATCC 4352)}

Listeria monocytogenes {(ATCC 19117)} *Pseudomonas aeruginosa* {(ATCC 15442)}

Salmonella enterica {(ATCC 10708)} *Salmonella typhi* {(ATCC 6539)}

Shigella sonnei {(ATCC 25931)}

Staphylococcus aureus {(ATCC 6538)}

Staphylococcus aureus {Community Acquired Methicillin Resistant} {(CA-MRSA)} {(Genotype USA400)}

Staphylococcus aureus {Vancomycin Intermediate Resistant} {(VISA)} {(HIP 5836)}

GENERAL DISINFECTION (Non-Health Care Sites):

This product kills the following bacteria in 10 minutes on hard, non-porous surfaces:

Bordetella bronchiseptica {(ATCC 10580)}

Corynebacterium ammoiaenes {(ATCC 6872)}

Enterococcus faecalis {Vancomycin Resistant} {(VRE)} {(ATCC 51575)}

Escherichia coli O157:H7 {(ATCC 35150)} *Listeria monocytogenes* {(ATCC 19117)} *Salmonella enterica* {(ATCC 10708)} *Salmonella typhi* {(ATCC 6539)}

Shigella sonnei {(ATCC 25931)}

Staphylococcus aureus {(ATCC 6538)}

Staphylococcus aureus {Vancomycin Intermediate Resistant} {(VISA)} {(HIP 5836)}

VIRUCIDAL* PERFORMANCE:

This product kills the following viruses in 2 minutes on hard, non-porous surfaces:

Enterovirus Type 68 {(VR-561, Strain Fermon)}

Herpes Simplex Virus Type 1 {(VR-733)} Herpes Simplex Virus Type 2 {(VR-734)}

Human Immunodeficiency Virus Type 1 {(HIV-1)} {(AIDS Virus)} {(HTLV-IIIB)}

Influenza A Virus {(VR-544)} {(Hong Kong)} Respiratory Syncytial Virus {(RSV)} {(VR-26)}

Rhinovirus Type 37 {(VR-1147)}

Rotavirus {(Strain WA)}

Vaccinia Virus {(VR-119)}