

# Superior disinfection

Evaluated as high-level disinfection  
— eliminates spores in 2/5 min

**LifeClean Disinfectant (class IIa)** is a range of alcohol-free High-level disinfectants that ensures protection against HCAs and a high hygiene level. Unlike most disinfectants, LifeClean has a **maximum spectrum of kill**, including *C. difficile*, *B. subtilis*, *E. coli*, *Listeria*, winter vomiting bug (norovirus), *Candida albicans*, mold, and many more<sup>1</sup>.

**LifeClean Disinfectant Plus, intended use:** High-level broad spectrum disinfectant for non-invasive medical devices, intended for dirty conditions ("visibly dirty").

**LifeClean Disinfectant StD, intended use:** High-level broad spectrum disinfectant for non-invasive medical devices, intended for clean conditions ("visibly clean")



## Short contact time

LifeClean reacts directly with the microbes that are eliminated quickly and efficiently. The extremely short contact time makes working procedures easier and timesaving.

**0.5-5 minute contact time**

## Safer work space

LifeClean, if used per manufacturer's IFU, is not classified as hazardous according to 1272/2008 (CLP). Effective in low concentration. Breaks down to easily degradable residues.

**Consists of 99.6% water**



Scientifically proven



Short contact time



Sporicidal in dirty conditions



Does not contain alcohol or free chlorine



Safer working environment

## Proven efficacy

LifeClean is a patented innovation, routinely tested at independent laboratories according to current EN standards. Our fulfilled EN standards ensure our users of truly effective protection when using LifeClean.

## User-friendly

Ready-to-use formulations that are easy to use. No hazard pictograms because of the more environmentally responsible abilities of LifeClean. Store at room temperature. **Remember to wipe or rinse metal surfaces after contact time.**

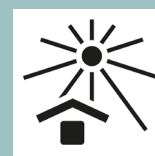
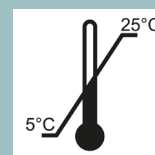
## ClO<sub>2</sub> is not "chlorine"!

Chlorine dioxide (ClO<sub>2</sub>) shouldn't be mistaken for conventional "chlorine" like sodium hypochlorite (NaClO), which emits "free chlorine" for disinfection. ClO<sub>2</sub> is characterized by its completely bound chlorine atom, disinfecting through electron transfer and NOT chlorination, its efficacy surpasses traditional chlorine by 260% per ppm<sup>2</sup> and avoids halogenated byproducts like trihalomethanes<sup>3</sup>. Independent analysis of LifeClean verifies the absence of detectable "free chlorine"<sup>4</sup>.



### Instructions for use (2021-02)

- 1 For professional use only. Follow local guidelines. Use gloves.
- 2 PPE should be used if needed\*
- 3 Remove any visible dirt
- 4 Apply a generous amount of solution on wipe
- 5 Use wipe mechanically on surface to disinfect
- 6 Allow LifeClean to work for the desired contact/application time
- 7 Mark opening date on the label. Close opened bottle. Bottle must be closed when not in use.



\* For more information: Safety Data Sheet for LifeClean.

## Proven effect against e.g<sup>1</sup>:

Organism	Contact time StD (Clean)	Contact time Plus (Clean)	
Sporicidal	5 min	2 min	• Clostridioides difficile (Clostridium difficile) • Bacillus subtilis • Bacillus cereus
Mycobactericidal	2 min	1 min	Mycobacterium terrae • Mycobacterium avium
Fungicidal / Yeast	1 min	1 min	• Candida albicans • Aspergillus brasiliensis (black mold) • Candida auris
Virucidal	1 min	1-2 min	• Poliovirus • Adenovirus • Murine norovirus (MNV), e.g., winter vomiting (Calicivirus) • IPN Virus (Infectious Pancreatic Necrosis) • Avian influenza virus (H10N7) • Porcine parvovirus (PPV) • Murine Parvovirus (MVM)
Virucidal (enveloped)	0.5 min	0.5 min	SARS-CoV-2
Bactericidal	1 min	1 min	• Enterococcus hirae • Pseudomonas aeruginosa • Escherichia coli (E-coli) • Salmonella typhimurium • Legionella pneumophila • Klebsiella pneumoniae (ESBL) • Entrococcus faecium (VRE) • Acinetobacter baumannii • Staphylococcus aureus • Listeria monocytogenes

References: (1), Microbiological Efficacy Summary (MDD) | (2), Lenntech B.V. Disinfectants Chlorine Dioxide. www.lenntech.com | (3), Bowler, P. 2021. 'Infection, Infection Control, and Disinfectants in a Challenging Infection Era'. International Journal of Infection Control. <https://doi.org/10.3396/ijic.v17.21564> | (4), LifeClean dossier, STULV20AA4861-1 GLP.