



NEW & RAPID WAY TO KILL LEGIONELLA

Legio-Oxy[®]

About Legio-Oxy[®]

Legionnaire's disease is a type of pneumonia which can cause serious illness in persons who are susceptible such as those over 20-80 years, smokers, and those with underlying health conditions.

In world just under 5 in 10 of those who acquire **Legionnaires** disease die. **Legionnaires** disease and the milder form, which is a flu like illness called **Pontiac fever**, is caused by the growth of **Legionella** in building water systems which are not adequately managed. Aerosolized water from systems containing Legionella can cause Legionnaires disease or Pontiac fever to expose persons.



Closure of Buildings

The closure of buildings or parts of buildings and their restricted use, can increase the risk of **Legionella** growth in water systems and associated equipment including evaporative air conditioning and cooling water systems, spa pool, tubs and other equipment if they are not managed adequately.



Important to know!

COVID-19 will have an effect on access to microbial testing. Many individual and facilities are practicing social distancing and may not allow water engineers **On-Site** to collect traditional

samples. Laboratories, where culture tests are carried out, may be experiencing an overwhelming influx of clinical samples from potentially sick patients and may be closed for working with less staff. **After surviving COVID-19**, Who wants to open a building and have another set of significant safety issues?

Legionnaires Disease

The test of legionella takes minimum 7 to 14 days. "And all Lab's are already under enough stress"

It's a worldwide problem and it can be solved only with

Rapid Test = Legiotest & Legio-Oxy[®]
A New Rapid way to kill Legionella.

When Restarting

Carry out a full system check.

Legiotest

Watch Water[®] has developed a new **On-Site-Testing method** for detecting deadly **Legionella** bacteria in water and biofilm. Legiotest is the world's **First-Only-Rapid** testing kit for **Legionella** bacteria, that can be fully conducted **On-Site**, and requires no training or experience to carry out the test.

Legiotest is the only **On-Site Legionella test** can be used to Mitigate risk under these difficult circumstances. Not only does the simple test provide accurate results in only

25 Minutes. It significantly reduces the time required for individuals to be **On-Site**, it can be used in isolation by anyone, with the help of **Watch Water[®]** branches around the world.

A NEW & RAPID WAY TO KILL LEGIONELLA

Legio-Oxy® Technology

Legio-Oxy® is based on **Advanced Catalytic Oxidation** which provides three **WQA/NSF certified** components. All **3-in-1 formulation** as powder that supports the complete eradication of **Legionella** just in half an hour of contact time in any water system, while also preventing its regrowth.

Advanced Catalytic Oxidation-Reagent-Chemically, a Titanium Oxycarbonate solution has emerged as a **non-toxic alternate** to chlorine-based chemicals and non-chlorinated biocides. **Legio-Oxy®** is also the Long-awaited answer to a worldwide problem that is just getting bigger and worse.

This novel **Legio-Oxy®** is based on **WQA/NSF certified** products for **Drinking Water application**.

Product Description			
Products	Name	Certified	Percentage
Catalyst TS	Titansorb	Yes	1%
Oxidizer	Instant Oxydes	Yes	95%
Surface	I-Soft DW	Yes	4%
Total			100%

Legio-Oxy® is a complex, yet the most environmentally friendly formulation of **Catalyzed-Oxidation** and it is very effective at the oxidizing organic, inorganic matter, and destroying **Legionella** and biofilm in one process.

Advantages

- ❑ **Legio-Oxy®** is very effective to destroy any kind of bacteria, viruses, and fungus.
- ❑ **Legio-Oxy®** powder is a new generation of advanced catalytic oxidation. The oxygen source (oxydes) and the catalyst (TS) are premixed with surface activator. It is very stable and can be stored for 3 years.
- ❑ **Legio-Oxy®** implementation does not require any capital investment – A dosing tank and a dosing pump can do the job.

- ❑ 5 kg of powder will make 100 liters of the finished product.
- ❑ 100 ml of **Legio-Oxy®** solution is dosed in One cubic meter of circulating water and is easy to use without specialized training.



- ❑ Compared to any other conventional reagents, **Legio-Oxy®** ranks the highest at applying active energy to initiate **Oxidation**, otherwise known as **Electrochemical Oxidation Potential (EOP)**. Higher the **EOP**, the more forceful the attracting electrons and faster the reaction.

Overview

Legio-Oxy® is the **Advanced Photocatalytic Oxidation** (with the use of our proprietary heterogenous **Titansorb (TS)** catalyst and Oxydes) becomes a very strong and powerful oxidative method to destroy and **kill Legionella** including biofilm in any application.

Watch Water® develops products and processes in partnership with its' own branches around the world.

Legio-Oxy® produces only water and oxygen to form hydroxyl-radicals in an oxidative process. Alternative approaches to water and wastewater or **Disinfection** that involve **Chlorination** with HOCL or Sodium-hypochlorite NaOCL represent an aggressive and toxic contribution themselves, being able to produce chlorine gas when dissolved in water (very corrosive and fatal for pipes and human health when inhaled).



FIRST-ONLY-RAPID WAY TO KILL LEGIONELLA

RED-OXY TREATMENT
FILTRATION
ADSORPTION
FILTERS ORB
INSTANT PRODUCTS
SYSTEMS



SOLID-SOURCE OF OXYGEN & LEGIO-OXY[®] APPLICATIONS

Legio-Oxy[®] Solid-Source of Oxygen

Hydrogen Peroxide is released from **Legio-Oxy[®]**. However, to produce oxygen, decomposition of this released hydrogen-peroxide needs a non-toxic catalyst **Titansorb** (NSF standard certified).

Heterogeneous → Solid-Catalyst to generate oxygen from the → solid **Legio-Oxy[®]**.

Solid **Legio-Oxy[®]** is so easy to transport, handle and easily combines with water before use for oxygen generation including high-grade **Hydroxyl-Radicals**. Hydroxyl radicals are ultimately the **Powerful-Oxidation process** capable of instantly oxidizing **Amoebae**.

Amoebae as Disease Training Grounds

Amoebae are already recognized for their potential role in *protecting, amplifying, or guiding* the evolution of over **225** other bacteria, viruses, and fungi. Famously, it is hypothesized that they play a big role in the outbreak of **Legionnaires** disease as they protect them by giving space for **Legionella bacteria** to multiply.

Recent building closure during the **COVID-19** pandemic have created a prime environment for the growth & spread of the **Legionella** bacteria. Every building owner should consider taking a water sample and test with very simple **Legiotest[®]** while reopening their buildings in order to protect the health of millions.

Applications



Beware of fake products

Disclaimer: The information and recommendation in this publication are true and based on data we believe to be reliable. They are offered in good faith but do not imply any warranty, liability or performance guarantee. Specifications are subject to change without notice. Watch Water[®] will not be liable under any circumstance for consequential or incidental damages, including but not limited to, lost profits resulting from the use of our products.