About Virol-Oxy®

The major branch of Watch Water® is Virus classification. Viruses can be classified accordingly to the host cell they infect.

Another classification uses the geometrical shape of their Capsid, Helix or Icosahedron. A Capsid is the pretrain shell of Virus. It consists of several oligomeric structural subunits, which are made of protein called protomers. Proteins are large biomolecules or macromolecules, consisting of one or more chains of Amino Acid residues.

Proteins are essential to life. Cells produce new protein molecules from amino acid building blocks based on information coded in DNA. Each type of protein is a specialist that usually only performs one function, so if a cell needs to do something new, it must take a new protein. Viruses force the cell to make new proteins that the cell does not required but are needed for the virus to reproduce.

A virus is simply classified as Genome tucked inside a protein coat, too streamlined for biologist to even consider it to alive. A dangerous genome is RNA within a Protein covering of telltale spikes, the CORONA (crown). Already knowing the genome sequences of the related SARS and MERS viruses sped sequencing the new one.

“CORONAVIRUS” Recommendations: Coronaviruses are large, enveloped RNA viruses that causes respiratory and enteric diseases first in animals and then in humans. Coronavirus in humans causes Respiratory infections even during the incubation period. The virus has estimated basic reproduction number between 3-5, meaning it typically infects 3-5 people per established infection. Watch Water® recommends reducing the risk of transmission of emerging pathogens from animals to humans and humans to humans, using Virol-Oxy® as General Hygiene Measures, including regular handwashing and water disinfected with Virol-Oxy®. Avoid physical contact with contaminated surface. Raw meat, vegetables, fruits should be washed with 0.5% Virol-Oxy® treated water. All equipment, working places at home and office should be disinfected frequently, at-least once a day with Virol-Oxy® solution. Protective clothing should be removed after usage and washed daily after Pre-Soaking in Virol-Oxy® Solution.

### Applications

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The Greatest Disinfectant for Million Reasons..!
A viral (Virol) genome may be quite small. Genetic instructions enable a virus to package itself neatly into a protein coat using very few genes, like building an elaborate greenhouse from assembling identical panes of glass.

An Example of Ebola virus has just seven genes, yet it rapidly reduces a Trillion-celled-Human body to a puddle of blood.

The ability of viruses (any kind) to reproduce rapidly and their inability to repair RNA or DNA replication errors make them highly changeable and therefore adaptable. They can stay ahead of Host defenses in an evolutionary arms race of sorts.

Watch Water® does not consider a Virus to be alive because of what it can’t do: “it doesn’t metabolize, doesn’t respond to stimuli, and can’t reproduce Unaided”. A virus requires a live host to make more of itself, which it can do quite effectively before our Immune systems even realize it’s there.

Watch Water® dissects viruses down to their nucleic acid sequence essence. We don’t kill bacteria – We oxidize bacteria, we oxidize viruses with VIROL-OXY®. Viruses lay far beneath the radar. We know people who seek antibiotics to treat viral infections may not realize the strong difference between.

“A virus straddles the boundary between the Chemical and the Biological, a structure that is more than an assembly of “MACROMOLECULES”, yet less than a cell”
VIROL-OXY® General Descriptions

SAFE:

Virol-Oxy® is the safest deactivated powder. It is very easy to use and has a wide usability-based spectrum of activity, which can be used in a very large number of applications and is environmentally friendly.

HIGH EFFICACY:

Virol-Oxy® has proven high efficacy against bacteria and viruses, spores and fungi in a very large number of applications. Virol-Oxy® presents no serious or long-term health risk to staff by obviating the need for costly ventilation equipment and health monitoring.

UNIQUE:

Virol-Oxy® is the most unique powder product for the safe and rapid disinfection and deactivation of surfaces and contaminated places in a wide variety of emergency situations. Virol-Oxy® is dissolved in normal water for use, providing a safe working solution with a strong Pink color. Virol-Oxy® working solution is also very safe.

CHEMISTRY:

Virol-Oxy® is a balanced and stabilized blend of powdered Hydrogen peroxide and Crystalline Titanium dioxide (Titansorb P) compounds, surfactant, organic buffer chemistry with exceptional safety profile.

MODE OF ACTION:

By oxidation of Protein Coat and another infection organism of cell protoplasm, resulting in inhibition of enzyme systems and loss of cell integrity. The only method for deactivating viruses which consists of contacting the viruses located on the inanimate surface or on the skins of humans or non-human (animals) with a solution of Virol-Oxy® in a concentration of at least 0.5 to 1%.

- Virol-Oxy® does not contain any toxic containing chemicals (Aldehydes, Phenols, Alcohols, Iodophors, Formaldehyde) which is known to be a broad-spectrum disinfectant and does not fulfill the require for deactivation of viruses. Therefore Virol-Oxy® is the only product with the efficiency to act as:
  - Virucide
  - Bactericide
  - Fungicide
To Prepare Solution
To prepare a One percent (1%) solution, using the table below, prepare the relevant volume of lukewarm water. Add the appropriate amount of Virol-Oxy® and stir until the powder has dissolved, leaving a clear Red Solution.

<table>
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<tr>
<th>Virol-Oxy</th>
<th>Water</th>
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<tbody>
<tr>
<td>10 grams</td>
<td>1000 ml (1 litre)</td>
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<tr>
<td>100 grams</td>
<td>10 litres</td>
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<tr>
<td>500 grams</td>
<td>50 litres</td>
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<tr>
<td>1000 grams</td>
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Virol-Oxy® 1% solutions are stable for up to 10 days. Good 100% (Log 5) disinfection should be prepared daily.

Use of Solution
- **Virol-Oxy®** solution is used to spray, swabbing, rubbing and immersing surfaces to disinfect.
- Spray surface with **Virol-Oxy®** prepared solution, leave for up to a minimum 10 minutes and wipe over with a paper towel.
- Immersing or soaking all home appliances like stainless steel utensils. Pre-soaking of laundry and bedding prior to normal washing.
- Wipe, swab or rub the surface with a wet cloth, for example, doors, windows, knobs, workbenches, garden benches, trolley, floors, baths and sinks, complete kitchen jars and tools, beds, bed sheets and entire laundry at home.

To Pre-soak Medical Devices
- To pre-clean contaminated stainless utensils, instruments, brush them with 1% **Virol-Oxy®** solution, rinse thoroughly with disinfected water.

Disposal
**Virol-Oxy®** solution can be easily disposed into any sewage.

Shelf Life
Store in cool, humidity-controlled conditions, shelf life is three years from the date of manufacture. Container must be tightly re-sealed to preserve stainless integrity of powder.

One percent (1%) Solution.
- Non-irritant to eyes
- Non-irritant to skin
- Non-Toxic

Manufactured with 99% active ingredients as to EPA disinfectant list N, Titansorb certified to NSF/ANSI 61 drinking water standards.

Attention: Not for human consumption. Keep away from children’s reach.

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.