



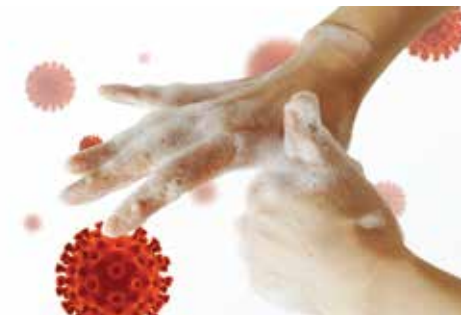
**Doing Our Part
To Make
The World
A Safer Place**



NOVA CLENS

Information Guide for Your **PERSONAL HEALTH HYGIENE KIT**

Anti-Viral, Anti-Bacterial Hygiene Product Information



WHAT IS ACEPSIS™ NOVA™ CLENS TECHNOLOGY?

Acepsis™ NOVA™ CLENS is a chlorine dioxide-based technology that provides a powerful hygiene protection system. NOVA™ CLENS can be used as a hand sanitizer or a hard surface cleaner.

Chlorine dioxide as a disinfection agent

Dr. Donald Sockett, DVM, PhD, MS, ACVIM, a microbiologist / epidemiologist at the University of Wisconsin's Veterinary Diagnostic Laboratory classifies chlorine dioxide as: "The most effective disinfectant across the complete range of disease-causing organisms:

- Chlorine dioxide provides the quickest action, at the lowest concentration among available disinfectants
- Chlorine dioxide produces biocidal activity against Gram positive and Gram-negative bacteria, enveloped and non-enveloped viruses, rotavirus, coronavirus, algae, bacterial spores, yeasts and molds and protozoan cysts (Cryptosporidium and giardia oocysts)
- Chlorine dioxide has 2.5 times the oxidizing power of chlorine and does not produce eco-toxic byproducts such as TMH, HAA and chloro-phenols
- Chlorine dioxide eliminates planktonic and sessile bacteria and destroys biofilm habitat*



MEASURING THE OXIDATION CAPACITY OF THE MOST POPULAR SANITIZING AGENT TYPES

The following table provides the oxidizing range of six of the most popular sanitizing agents. Dr. Trevor Suslow, from the University of California – Davis shows the relative values that the oxidation power has in the disinfection process, using the ORP (mV) value to measure various pathogen survival capacities.

Measurement of Oxidizing Agent ORP Values In Pathogen Disinfection**	
OXIDIZING AGENT	OXIDIZING AGENT ORP VALUE RANGE (mV)
CHLORINE DIOXIDE (ClO ₂)	600 → 1000 MV
OZONE* (O ₃)	700 → 1000 MV
IODOPHORS (I ₂)	400 → 600 MV
HYDROGEN PEROXIDE	300 → 500 MV
SODIUM HYPOCHLORITE	250 → 500 MV
ISOPROPYL ALCOHOL	100 → 300 MV



Chart 1.

*Original article: "Sanitation for calf scours prevention," John Maday, Editor, Bovine Veterinarian, January 14, 2015. Reprinted courtesy of Acepsis™, LLC.

**Ozone is greatly influenced by the water quality and ozonation system.

EFFECTIVE AGAINST DISEASE CAUSING ORGANISMS INCLUDING VIRUSES AND BACTERIA

ORP Values In Pathogen Disinfection***
 PATHOGEN SURVIVAL IN SECONDS (S) OR HOURS (H) AT ORP LEVELS (MV)

Pathogens	<500 ORP (mV)	500 - 600	600 - 700	700+
CORONAVIRUS	> 300 S	< 60 S	< 10 S	< 1 S
E. COLI (O157:H7)	> 300 S	< 60 S	< 10 S	< 1 S
SALMONELLA SPP.	> 300 S	> 300 S	< 20 S	< 1 S
LISTERIA MONOCYTOGENES	> 300 S	> 300 S	< 30 S	< 1 S
THERMO-TOLERANT COLIFORM	> 48 H	> 48 H	< 30 S	< 1 S

Chart 2.

***Oxidation Reduction Potential (ORP) for Disinfection Monitoring, Control and Documentation; University of California, Trevor Suslow, Department of Vegetable Crops, University of California - Davis

PROTECTING YOURSELF AGAINST DISEASE CAUSING ORGANISMS / COVID-19 ACCORDING TO THE CDC

- Clean hands with an effective sanitizing agent at the door and at regular intervals
- Create habits and reminders to avoid touching their face and cover coughs and sneezes (and then re-sanitize)
- Disinfect surfaces like doorknobs, tables, counters and handrails regularly
- Increase ventilation by opening windows or adjusting air conditioning



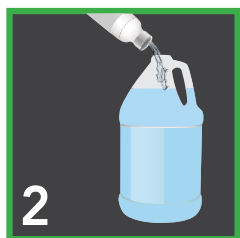
THE PERSONAL HEALTH HYGIENE KIT



CONTENTS

- NOVA™ CLENS 1 Gallon Jug (Empty)
- NOVA™ FOAM 8 oz. Bottle
(foaming surfactant) + Cap
- NOVA™ CLENS Tablets –
1 pack x 4 grams, 6 Tablets
- NOVA™ CLENS Hand Hygiene 8.5 oz.
Foamer Bottle (Empty) + Foaming Pump
+ Cap
- NOVA™ CLENS Surface Hygiene Spray
1 Qt. Bottle (Empty)

1. Fill the empty, clean NOVA™ Clens Personal Health Hygiene Solution 1-gallon container (STEP 1) with 126 oz. of water.
2. Add 1.0 – 1.5 oz. (30 – 45 mL) of NOVA™ Foam (STEP 2) to the NOVA™ Clens container.
3. Add 1 - NOVA™ Tablet (4 g) (STEP 3) to the NOVA™ Clens container and cap it. Allow NOVA™ Clens approximately 5 minutes of activation after adding the NOVA™ Clens Tablet to the solution. Keep all containers tightly capped.
4. **Hand Foamer Bottle:** Fill the NOVA™ Clens Hand Foamer Bottle with approximately 8.5 oz. (180 ml) of NOVA™ Clens solution.
Trigger Spray Bottle: NOVA™ Clens Surface Hygiene Bottle with approximately 32 oz. (950 ml) of NOVA™ Clens solution.
5. **Hand Hygiene Foam:** Apply 1 squirt of NOVA™ Clens onto the palm of your hands and clean them as directed.
Surface Hygiene Spray: Spray surface, allow to penetrate, wipe with a clean, wet cloth.



ACEPSIS™, LLC is a company focused on the development of state-of-the-art hygiene technologies. Our Company's mission is to apply innovative hygiene technologies into the personal and professional sectors. Visit us at www.novaclens.com.