



HabiStat™

THE ULTIMATE FACILITY
HYGIENE TECHNOLOGY

THE KEY TO OPTIMAL
ON-FARM BIOSECURITY

A Product Overview

Acepsis - HabiStat™

THE ULTIMATE FACILITY HYGIENE TECHNOLOGY

Improving Animal Wellness Through Optimized Facility Hygiene

Acepsis® HabiStat™ is an ultra-concentrated base / activator technology that contains powerful facility cleaning and hygiene agents. Mixed as directed, the special formulation produces chlorine dioxide on site. Chlorine dioxide is a powerful oxidizing agent, providing the quickest action at the lowest concentration among oxidizing solutions.

Reducing Organic Load Footprints

Developed to support consistent cleaning and facility hygiene practices across a wide range of animal housing environments, the HabiStat™ technology ensures the proper facility environment, key to the health and long-term viability of the animals.



BIOSECURITY Biosecurity is a set of practices used to help reduce the introduction and movement of contaminants and risks into a herd or flock, and to limit transfer between animal groups. As group sizes increase and housing becomes more intensive, the risks of contamination grow and consistent biosecurity practices become more important.



ANIMAL WELLNESS Animal wellness is a function of many environmental variables, including physical surroundings. Particular components of the environment that need to be taken into account include temperature, humidity, light, air quality, space (including complexity of space), nutritional factors, facility hygiene and water hygiene.



FACILITY HYGIENE BEST PRACTICES

Looking clean is no longer an adequate practice. Optimal hygiene requires clear steps that help reduce cross-contamination risks and improve cleaning consistency. Key "Best Hygiene Practices" require:

- The development of a facility specific hygiene program
- Addressing cleaning and hygiene practices and procedures
- Monitoring facility "animal wellness" results, documenting facility morbidity and mortality levels

CHLORINE DIOXIDE Chlorine dioxide is an oxidizing agent used in many controlled hygiene and water quality management programs. When applied appropriately, it can help manage system buildup and support consistent water system operation. **Sodium hypochlorite (bleach), and hydrogen peroxide, on the other hand, have been proven to have little effect on biofilms.**

Dr. Donald Sockett, DVM, from the Wisconsin Veterinary Diagnostic Laboratory (WVDL) cites: **"Chlorine dioxide (ClO_2) is the most effective disinfectant for *Cryptosporidium*, providing the quickest action at the lowest concentration among available disinfectants.** The product has good biocidal activity against Mycoplasma, Gram-positive and Gram-negative bacteria, algae, yeast, enveloped viruses, chlamydia, non-enveloped viruses, fungal spores, parvovirus, acid-fast bacteria, bacterial spores and protozoan cysts. Among scour pathogens, ClO_2 provides a quick kill and concentration and time values on coccidian, crypto and giardia oocysts."

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



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+
E. COLI (0157: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

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

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

Acepsis - Hab iStat™

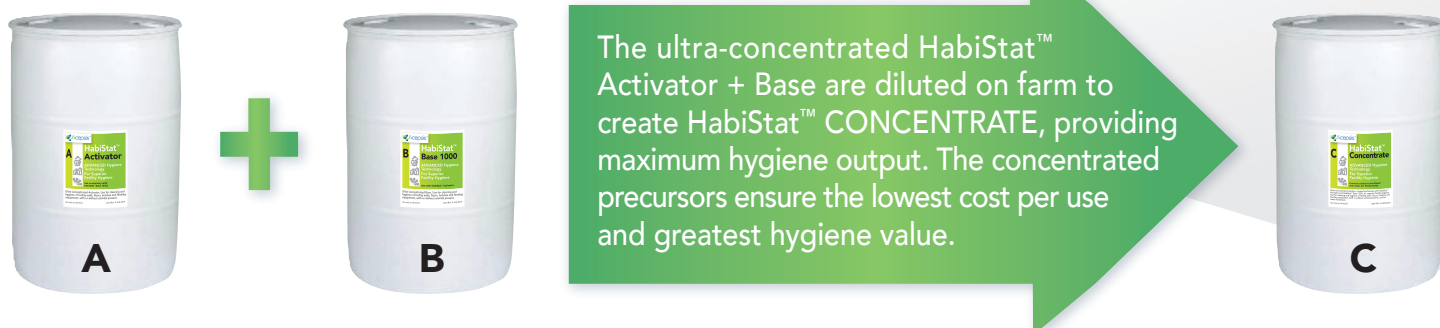
NEXT STEPS TO AN OPTIMAL HYGIENE PROGRAM

Use Hab iStat™ Tablets as a convenient A + B option



PART #	DESCRIPTION
ATAB20G100	Hab iStat™ Tablets – 10 pack x 20 grams 100 Tablets
ATAB100G50	Hab iStat™ Tablets – 5 pack x 100 grams 50 Tablets

Hab iStat™ Liquid



PART #	DESCRIPTION
ACEH04QCS	Hab iStat™ ACTIVATOR & BASE – 4 X 1 QT (0.94 L) OF EACH
ACEH04	Hab iStat™ ACTIVATOR & BASE – 4 X 1 GAL (3.8 L) OF EACH
ACEH05	Hab iStat™ ACTIVATOR & BASE – 5 GAL (19 L) OF EACH
ACEH15	Hab iStat™ ACTIVATOR & BASE – 15 GAL (57 L) OF EACH
ACEH55	Hab iStat™ ACTIVATOR & BASE – 55 GAL (209 L) OF EACH
ACEH275	Hab iStat™ ACTIVATOR & BASE – 275 GAL (1,040 L) OF EACH



For more information, call Acepsis® or your local representative.

ACEPSIS®, LLC is an animal health based company that is focused on the development of state-of-the-art animal hygiene technologies. Our Company's mission is to apply innovative animal hygiene technologies into the agricultural and veterinary market sectors.