

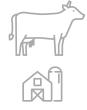


THE **ULTIMATE FACILITY HYGIENE** TECHNOLOGY Improving Animal Wellness Through Optimized Facility Hygiene

HabiStat™ is an ultra-concentrated, two component, activator and base technology that, when mixed, produces a powerful, chlorine dioxide based cleaning and hygiene solution, designed to clean facility walls, floors, hutches, pens, water troughs and animal feeding equipment.

TYPICAL CHLORINE DIOXIDE TREATMENT APPLICATIONS

- Cleaning calf feeding equipment | Utensils | General Sanitation | Hygiene Procedures
- Cleaning maternity / calving areas | Calf pens / hutches | Floors | Walls | Livestock trailers
- Environmental fogging / No animals present



HYGIENE FOR ALL DAIRY 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 Looking clean is no longer an adequate practice. Optimum hygiene requires the proper steps to provide the highest level of protection against the spread of disease-causing organisms.

Chlorine dioxide is considered a strong and very selective oxidizing agent. Chlorine dioxide is used as a water hygiene agent to control biofilm, bacteria (E. coli, Salmonella, Listeria, Staphylococcus aureus, Streptococcus uberis, M. bovis, viruses, algae, fungi, protozoans (Cryptosporidium, Giardia Lamblia) and Legionella. Unlike sodium hypochlorite (bleach) chlorine dioxide does not chlorinate organic substances that form trihalomethanes (THMs) or trihaloacetic acids, nor does it react with ammonia to form chloramines.

Dr. Donald Sockett, DVM, MS, PhD, ACVIM at the Wisconsin Veterinary Diagnostic Laboratory states: "Chlorine dioxide is the most effective disinfectant, for Cryptosporidium, providing the quickest action at the lowest concentration among available disinfectants. Chlorine dioxide has 2.5 times the oxidizing capacity of bleach, with full biocidal activity at pH levels from 2 – 12 and does not produce eco-toxic byproducts, such as THMs or chloro-phenols."

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 \$	<15	
SALMONELLA SPP.	> 300 S	> 300 S	< 20 \$	<15	
LISTERIA MONOCYTOGENES	> 300 S	> 300 S	< 30 \$	<15	
THERMO-TOLERANT COLIFORM	> 48 H	> 48 H	< 30 5	<15	

^{*}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





A **COMPLETE FACILITY HYGIENE**TECHNOLOGY FOR ON-FARM BIOSECURITY

MIXING INSTRUCTIONS

HabiStat™ Activator / HabiStat™ Base 1000 are the components of a two-part ultra concentrated precursor formulation needed to create HabiStat™ Concentrate. Use only as directed. Use for cleaning and hygiene of facility walls, floors, hutches and feeding equipment, with or without animals present.

HABISTAT™ MIXING GUIDE							
ARGET IO ₂ PPM	WATER		HABISTAT™ ACTIVATOR		HABISTAT™ BASE 1000		
	OZ.	ML	OZ.	ML	OZ.	ML	
250 500	126 124	3720 3660	1.0	30 60	1.0	30 60	
250 500	315 310	9450 9300	2.5 5.0	75 150	2.5	75 150	
250 500	630 620	18600 18300	5.0 10.0	150 300	5.0 10.0	150 300	
10	250 500 250 500 250 500	D2 PPM WA 02. 02. 250 126 500 124 250 315 500 310 250 630	D2 PPM WATER OZ. ML 250 126 3720 500 124 3660 250 315 9450 500 310 9300 250 630 18600	O2 PPM WATER ACTIVE 02. ML OZ. 250 126 3720 1.0 500 124 3660 2.0 250 315 9450 2.5 500 310 9300 5.0 250 630 18600 5.0	D2 PPM WATER ACTIVATOR OZ. ML OZ. ML 250 126 3720 1.0 30 500 124 3660 2.0 60 250 315 9450 2.5 75 500 310 9300 5.0 150 250 630 18600 5.0 150	O2 PPM WATER ACTIVATOR BASE OZ. ML OZ. ML OZ. 250 126 3720 1.0 30 1.0 500 124 3660 2.0 60 2.0 250 315 9450 2.5 75 2.5 500 310 9300 5.0 150 5.0 250 630 18600 5.0 150 5.0	

DOSING INSTRUCTIONS

Dosing instructions and systems vary dependent upon the hygiene application. See the Acepsis™ HabiStat™ Mixing Guide for an explanation of features and recommendations based upon individual system needs.





PART #	DES	SCRIPTION				
ACE404	HabiStat [™] ACTIVATOR – 4 X 1 GAL (3.8 L)					
ACE405	HabiStat™ ACTIVATOR – 5 GAL (18.9 L)					
ACE415	Hak	oiStat™ ACTIVATOR – 15 GAL (56.8 L)				
ACE455	Hak	oiStat™ ACTIVATOR – 55 GAL (208.2 L)				
ACE204	Hak	oiStat™ BASE 1000 – 4 X 1 GAL (3.8 L)				
ACE205	Hak	oiStat™ BASE 1000 – 5 GAL (18.9 L)				
ACE215	Hak	oiStat™ BASE 1000 – 15 GAL (56.8 L)				
ACE255	Hak	oiStat™ BASE 1000 – 55 GAL (208.2 L)				
ATAB20G1	00	HabiStat™ Tablets –				
		10 pack x 20 grams, 100 Tablets				
ATAB100G50		HabiStat™ Tablets – 5 pack x 100 grams, 50 Tablets				

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. Visit us at www.acepsis.com.

