



Selective Micro Technologies

COMPREHENSIVE DISINFECTION SOLUTIONS FOR POULTRY, SWINE, AND CATTLE FARMS

For water purification, facility sanitation, and the eradication of microbial hazards.

Objectives

The primary objectives of applying chlorine dioxide in poultry, swine, and cattle farms encompass ensuring the safety and cleanliness of drinking water, decontaminating coops and barns, disinfecting processing facilities, and conducting carcass washes. Additional aims include the disinfection of egg and hatching rooms, barns, and pens, along with the sanitization of feeding bottles. The application also extends to specific treatments such as those for hairy hoof and mastitis, reinforcing the overall health and hygiene standards across the farming operations.

Selectroicide®

- EPA registered and FDA approved disinfectant & deodorizer.
- Water activated chlorine dioxide (CLO₂).
- Controls odor-causing bacteria, mold, and mildew.
- Deep-penetrating and patented vapor delivery system.
- Fast, easy, effective.
- Great for frequent use.
- Safe on materials.



About Us

Our ultra-pure CLO₂ delivers the most versatile and highly compatible, user friendly, and environmentally aware method to decontaminate surfaces and environments.



COMPREHENSIVE DISINFECTION SOLUTIONS FOR POULTRY FARMS

	Application	Use Range	Expected Result	Benefits
Poultry (broiler)	Drinking water treatment	.25 ppm to 2 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity
	Coop and barn decontamination	100 ppm	Disinfection of facilities	Reduced disease transmission and improved health
	Processing facilities disinfection	100 ppm	Disinfection of facilities	Elimination of food borne pathogens and removal of spoilage mechanisms
	Carcass wash	3 ppm to 10 ppm	Reduction of microbes on carcasses	Elimination of food borne pathogens and removal of spoilage mechanisms
Poultry (layers)	Drinking water treatment	.25 ppm to 2 ppm	Elimination of biofilm and microbial threats	Improved production
	Disinfection of egg room	100 ppm	Disinfection of facilities	Removal of pathenogenic microbes
	Disinfection of hatching room	100 ppm	Disinfection of facilities	Removal of pathenogenic microbes
	Coop and barn decontamination	100 ppm	Disinfection of facilities	Reduced disease transmission and improved health
	Processing facilities disinfection	100 ppm	Disinfection of facilities	Elimination of food borne pathogens and removal of spoilage mechanisms



COMPREHENSIVE DISINFECTION SOLUTIONS FOR CATTLE FARMS

	Application	Use Range	Expected Result	Benefits
Dairy Cattle	Drinking water treatment	.25 ppm to 2 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity
	Equipment disinfection	100 ppm	Disinfection of facilities	Removal of pathenogenic microbes
	Hairy hoof treatment	20 ppm to 50 ppm	Elimination of infectious threat	Improved health and decreased morbidity
	Mastitus treatment	20 ppm to 50 ppm	Elimination of infectious threat	Improved milk production
	Processing facilities disinfection	100 ppm	Disinfection of facilities	Elimination of food borne pathogens and removal of spoilage mechanisms
Beef Cattle	Drinking water treatment	.25 ppm to 2 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity
	Barn and pen disinfection	100 ppm	Disinfection of facilities	Reduced disease transmission and improved health
	Processing facilities disinfection	100 ppm	Disinfection of facilities	Elimination of food borne pathogens and removal of spoilage mechanisms
	Carcass wash	3 ppm to 10 ppm	Reduction of microbes on carcasses	Elimination of food borne pathogens and removal of spoilage mechanisms
	Feeding bottle wash/rinse	5 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity



COMPREHENSIVE DISINFECTION SOLUTIONS FOR SWINE FARMS

Application	Use Range	Expected Result	Benefits
Drinking water treatment	.25 ppm to 2 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity
Barn and pen disinfection	100 ppm	Disinfection of facilities	Reduced disease transmission and improved health
Processing facilities disinfection	100 ppm	Disinfection of facilities	Elimination of food borne pathogens and removal of spoilage mechanisms
Carcass wash	3 ppm to 10 ppm	Reduction of microbes on carcasses	Elimination of food borne pathogens and removal of spoilage mechanisms
Feeding bottle wash/rinse	5 ppm	Elimination of biofilm and microbial threats	Increased weight gain, reduced mortality and morbidity