

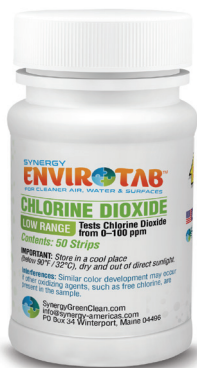
CLO₂ TEST STRIPS CHLORINE DIOXIDE

Validating Your Solution Concentrations - A Powerful, Safer Solution Across All Industries

Chlorine Dioxide (ClO₂) is a powerful oxidizing agent known for its selective reactivity and broad-spectrum antimicrobial efficacy. Unlike chlorine, it does not chlorinate organic compounds, making it a safer and more environmentally friendly alternative in many applications. In low concentrations, around 0.5 to 5 ppm, it is commonly used for potable water disinfection, cooling towers, and food processing sanitation due to its ability to eliminate bacteria, viruses, and biofilm without producing harmful byproducts. Mid-range concentrations (100–500 ppm) are often applied in surface sanitation, industrial cleaning, and mold remediation. At high concentrations—up to 2500 ppm—chlorine dioxide is effective in heavy-duty decontamination tasks such as odor neutralization, pathogen eradication in medical and agricultural facilities, and even bioterrorism countermeasures. Its versatility across this wide range of concentrations makes it a valuable tool in water treatment, public health, manufacturing, and environmental cleanup.

Why We Are Now Offering Two Options for Testing Your Envirotab Aqueous Solutions:

With an offering of five sizes of tablets and a seemingly endless number of applications, we felt it was our duty to provide the tools necessary to validate your aqueous solution strength when adding Envirotab Tablets to water. To this end we are now offering two options of test strips:



Low Range Test Strips – 0-100ppm (Order # E-TS-LR50)

Chlorine Dioxide (ClO₂) in aqueous solutions at concentrations between 0.5 and 100 ppm serves a wide array of critical functions across sanitation, hygiene, and water treatment. At the lower end of this range (0.5–5 ppm), it is highly effective for disinfecting drinking water, rinsing fresh produce, treating dental water lines, and maintaining clean circulation in spas and cooling towers—ensuring microbial control without altering taste or causing corrosion. Mid-range concentrations (10–100 ppm) are commonly employed for surface sanitation in food processing, equipment disinfection, and hospital-grade cleaning, where thorough microbial kill is essential without hazardous residue.

To ensure safety, compliance, and efficacy in these sensitive applications, precise validation of **ClO₂** levels is critical. That's where our new Envirotab Low Range Test Strips come in. Designed specifically to detect chlorine dioxide concentrations from 0.5 to 100 ppm, these easy-to-use strips provide accurate, on-the-spot confirmation, making them an essential tool for operators, technicians, and quality assurance personnel across regulated industries.

LOW RANGE CLO₂ USE APPLICATIONS

CONCENTRATION		AGRICULTURAL	COMMERCIAL	INDUSTRIAL	INSTITUTIONAL
FROM:	TO:				
0.5ppm	5.0ppm	Purification and protection of drinking water for poultry & other livestock.	Maintenance (1.0ppm) to Cleaning (5.0ppm) level for hot tubs, spas, whirlpools and swimming pools.	Treatment of large scale humidifiers & HVAC injection systems.	Large Scale Soak/Wash for produce in food prep & commercial kitchens.
		Bioload containment of greenhouse lines where water is delivered by spray mist.	Treatment and maintenance of dental water lines.	Water treatment for egg wash & sorting facilities.	Maintenance (1.0ppm) to Cleaning (5.0ppm) level for hot tubs, spas, whirlpools and swimming pools.
		Spray pre-shipment treatment for strawberries and other fruits subject to rapid spoilage.	Large Scale Soak/Wash for produce in food prep & commercial kitchens.	Hard water control for boiler feed lines.	Water treatment for indoor fountains, water walls and other water displays.
5.0ppm	10.0ppm	Bioload containment of irrigation lines where water is delivered to the roots or exposed to direct sunlight.	Large Scale Soak/Wash for produce in food prep & commercial kitchens.	Hard water control for boiler feed lines.	Water treatment for indoor fountains, water walls and other water displays.
10.0ppm	25.0ppm	Udder wipe solution for cows and goats, spray solution during stall exchanges.	Large Scale Soak/Wash for produce in food prep & commercial kitchens.	Hard water control for boiler feed lines.	Water treatment for indoor fountains, water walls and other water displays.
25.0ppm	50.0ppm	Spray & set sanitizer for greenhouse & garden tools.	Sanitizing rinse for food storage rooms, walk in refrigerators.	Sanitizing rinse for fruit & produce delivery trucks, crates & racking.	Wipe down solution for fitness & weight rooms, wrestling mats, gymnastic equipment.
		CIP of water lines in poultry houses during shutdown.	Continuous HVAC Sanitizing via fine mist injection systems,	Continuous HVAC Sanitizing via fine mist injection systems,	Fogging spray for locker rooms, hockey & football equipment and gear.

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High Range Test Strips – 0-2500ppm (Order # E-TS-HR50)

Chlorine Dioxide (ClO₂) solutions in concentrations from 0 to 2500 ppm are utilized in some of the most demanding sanitation and decontamination environments. Lower to mid-range levels (50–500 ppm) are ideal for high-touch surface disinfection in hospitals, food production areas, and commercial kitchens, offering rapid kill rates for bacteria, viruses, and spores. As concentrations increase (500–1000 ppm), ClO₂ is used in mold and mildew remediation, odor elimination (such as smoke or sewage), and sanitation of HVAC systems and ductwork. At the upper end (1000–2500 ppm), it becomes a powerful agent for industrial decontamination, biofilm removal, and high-level disinfection in agricultural, disaster response, and restoration scenarios—where pathogen loads are high and complete neutralization is essential.

To support safe and effective use in these critical operations, our Envirotab High Range Test Strips are specifically engineered to measure chlorine dioxide concentrations from 0 up to 2500 ppm. These strips deliver fast, reliable results, giving technicians and safety personnel the confidence they need to validate dosage levels and comply with regulatory or procedural standards in real time.

HIGH RANGE CLO₂ USE APPLICATIONS

CONCENTRATION		AGRICULTURAL	COMMERCIAL	INDUSTRIAL	INSTITUTIONAL
FROM:	TO:				
100ppm	150ppm	Flood sanitizing & deodorizing of wood & concrete coop, pen & stall floors, rails & walls during turnover.	Simultaneous cleaning, deodorizing & sanitizing of all hard and soft surface other than glass.	Cleaning & sanitizing of ambulance interiors, including stretcher, mattress & transport chair.	Cleaning & sanitizing of police vehicles. This should be done between arrests, transports and shift changes.
150ppm	200ppm	Range of solution before adding Soil Break to deep-clean dairy areas, vats and other equipment.	Strength of solution before adding Soil Break to deep-clean odorous floors & walls.	Fogging concentration for room & HVAC duct decontamination.	Fogging concentration for room & HVAC duct decontamination.
200ppm	400ppm	Strength of solution before adding Soil Break to deep-clean pens & stalls where sick animals had once resided.	Strength of solution before adding Soil Break to deep-clean visible mold & mildew vegetation.	Cleaning & disinfection strength for room divider curtains, furniture, fixture and bed mattress during terminal cleaning.	
400ppm	500ppm	Fogging concentration for post-cleaning spray sanitizing of contaminated pens and stalls.	Strength of solution to be distributed in a large area by means of mist fan device.	Strength of charge solution that is then re-diluted for waterline and air handler distribution.	Strength of solution to be distributed in a large area by means of mist fan device.
500ppm	2500ppm	Wastewater Treatment Plant Deodorization, Eradication of vegetative spores& fungi (c.Diff, c. Auris), Professional fogging, mist fan or bubbler deodorization of all spaces from automobiles, boats, campers, RV's rooms, apartments and whole houses.			
		Industrial decontamination, Biofilm eradication, Disaster & decontamination of meth labs, Rapid response during flood restoration.			

SYNERGY
ENVIRO-TAB
FOR CLEANER AIR, WATER & SURFACES



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contact info@synergy-americas.com
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