

MB-10TM **Tablets**

EPA-Registered, Hospital-Grade Hard-Surface Disinfectant, effective against enveloped, & non-enveloped viruses, gram positive and gram negative bacteria at 200 ppm.

Quick Instructions - Solution



***Don Protective Nitrile
Gloves and Safety
Glasses***



***Fill container with cold
tap water***



***Open 2 Tablets for 200ppm and
allow to drop into the container***



Replace cap on bottle



Wait 10 min



***Shake Container once
Before Use***

PRECAUTIONARY STATEMENTS - TABLETS

Tablets can be corrosive to skin and eyes. When handled with care, they pose no serious health threat. Tablets are stable when dry. Always wear nitrile gloves and safety glasses when handling tablets. Use care to avoid skin and eye contact. If skin or eye contact occurs, immediately wash with plenty of soap and water. See MB-10 Tablet SDS for details.



1500 Eastlawn Ave. Wilmington DE 19802

www.quiplabs.com

In solution, MB-10 Tablets are safe for human and animal contact.

Quick Instructions - Application



***Don Protective Nitrile
Gloves and Safety
Glasses***



***Shake Container Once
Before Use***



Fill Sprayer With Solution



***Spray Surfaces to
Disinfect***



Let Surfaces Air Dry



No Need To Wipe

PRECAUTIONARY STATEMENTS - SOLUTION

Solution is safe for skin contact (zero cytotoxicity), may be irritating to eyes, skin, or respiratory tract. Wear nitrile gloves and safety glasses when spraying. Wash hands thoroughly with soap and water after application. See MB-10 Solution SDS for details.

Below is the 6-gram tablet label for MB-10 Tablets. You can find this label and the SDS sheet online at quiplabs.com/product/mb-10-tablets.

MB-10 Tablets® are a unique formulation of sodium chlorite that rapidly produces the biocidal agent chlorine dioxide when mixed with water.

*A 100 ppm use-solution of chlorine dioxide has been shown to be effective against: Vaccinia virus, Human Influenza A virus (Hong Kong), Porcine Respiratory and Reproductive Syndrome virus (PRRSV), Infectious bursal disease virus (IBDV), Marek's disease virus (MDV), Avian Influenza A (H3N2) virus, Porcine circovirus type 2, Canine Parvovirus, Hantavirus, Minute Virus of Mouse (Parvovirus) (MVM-p), Minute Virus of Mouse (Parvovirus) (MVM-i), Mouse Hepatitis Virus (MHV-A59), Mouse Hepatitis Virus (MHV-JHM), Mouse Parvovirus type 1 (MPV-1), Murine Parainfluenza virus type 1 (Sendai), Sialodacryoadenitis Virus (Coronavirus) (SDAV), Theiler's Mouse Encephalomyelitis Virus (TMEV), Corynebacterium bovis, and Helicobacter pylori after 10 minutes of contact and Foot and Mouth Disease Virus after 30 minutes of contact.

A 200 ppm use-solution of chlorine dioxide is a broad spectrum disinfectant effective against Hepatitis B Virus, Hepatitis C Virus, Newcastle Disease virus, Norovirus, Human coronavirus and the following gram negative and gram positive bacteria: Escherichia coli O157:H7, Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella enterica, and Bordetella bronchiseptica after 10 minutes of contact. The 200 ppm use-solution is also effective against Staphylococcus aureus (MRSA) and Enterococcus faecalis (VRE) after 5 minutes of contact, tuberculocidal against Mycobacterium bovis after 5 minutes of contact at 20°C and virucidal against HIV-1 (the virus that causes AIDS) after 1 minute of contact and Feline Panleukopenia virus, Pseudorabies, Transmissible Gastroenteritis and Swine Influenza A Virus after 5 minutes of contact.

MB-10 Tablets® can be used as a disinfectant / virucide* / tuberculocide in Hospitals, Medical, Dental, Industrial, Institutional and Manufacturing Facilities, Laboratory Animal Facilities, Clinical and Research Laboratories, Veterinary Clinics and Hospitals, Animal Rearing and Confinement Facilities, Animal Research Facilities and Laboratories, and other institutional/industrial applications that involve the housing of animals.

MB-10 Tablets® can also be used as a sterilant in manufacturing facilities, clinical laboratories, and Biosafety Level 3 and 4 (BSL-3 and BSL-4) facilities.

MB-10 Tablets® have demonstrated effectiveness against Influenza A virus (Hong Kong) and is expected to inactivate all Influenza A viruses including Pandemic 2009 H1N1 (formerly called swine flu).

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PREPARATION OF USE-SOLUTION:

25 ppm Chlorine Dioxide (for sanitization of hard, nonporous food contact surfaces, including surfaces containing Salmonella enterica and Listeria monocytogenes).

In a clean plastic pail, place either one (1) 1.5 gram **MB-10 Tablet®** for every gallon of clean potable water, or one (1) 6.0 gram **MB-10 Tablet®** for every 4 gallons of clean potable water. Or, in a plastic pigmented spray bottle, place one (1) 1.5 gram **MB-10 Tablet®** for every gallon (4 liters) of clean potable water. Prepare in a well ventilated area. Wait 10 minutes for the 1.5 gram tab and 15 minutes for the 6.0 gram tab to completely dissolve. Once dissolved, this will yield a working solution of **25 ppm** of free chlorine dioxide. Once mixed, this solution should be stored in a tightly covered container and used within 7 days.

100 ppm Chlorine Dioxide (for control of Foot and Mouth Disease Virus, Human Influenza A virus (Hong Kong), Avian Influenza A (H3N2) virus and animal viruses*).

In a clean plastic pail or plastic pigmented 1 gallon bottle, place either one (1) 6.0 gram **MB-10 Tablets®** or four (4) 1.5 gram **MB-10 Tablets®** for every gallon (4 liters) of clean potable water. Or, in a plastic pigmented spray bottle, place one (1) 1.5 gram **MB-10 Tablets®** for every quart (or liter) of clean, potable water. Prepare in a well ventilated area. Once dissolved, this will yield a working solution of **100 ppm** of free chlorine dioxide. Wait 10 minutes for the 1.5 gram tab and 15 minutes for the 6.0 gram tab to completely dissolve. Once mixed, this solution should be stored in a tightly covered container and used within 7 days.

200 ppm Chlorine Dioxide (for disinfection of hard, nonporous surfaces and instruments, and to kill tuberculosis bacteria, Human coronavirus, HIV, Hepatitis B virus, Hepatitis C virus, Transmissible Gastroenteritis, Feline Panleukopenia virus, Newcastle Disease virus, Norovirus, Pseudorabies, and Swine Influenza A Virus).

In a clean plastic pail or plastic pigmented 1 gallon bottle, place either two (2) 6.0 gram **MB-10 Tablets®** or eight (8) 1.5 gram **MB-10 Tablets®** for every gallon (4 liters) of clean potable water. Or, in a plastic pigmented spray bottle, place one (1) 1.5 gram **MB-10 Tablets®** for every pint (or 500 ml) of clean, potable water. Prepare in a well ventilated area. Wait 10 minutes for the 1.5 gram tab and 15 minutes for the 6.0 gram tab to completely dissolve. Once dissolved, this will yield a working solution containing **200 ppm** of free chlorine dioxide. Once mixed, this solution should be stored in a tightly covered container and used within 7 days.

1000 ppm Chlorine Dioxide (for surface sterilization).

In a clean plastic pail or plastic pigmented 1 gallon bottle, place eight (8) 6.0 gram **MB-10 Tablets®** for every gallon of clean potable water or eight (8) 1.5 gram **MB-10 Tablets®** for every liter of clean potable water. Or, in a plastic pigmented spray bottle, place one (1) 6.0 gram **MB-10 Tablets®** for every pint (or 500 ml) of clean, potable water. Prepare in a well ventilated area. Wait 15 minutes for the 6.0 gram tab to completely dissolve. Once dissolved, this will yield a working solution containing **1000 ppm** of free chlorine dioxide. Prepare fresh solutions daily.

MB-10 TABLETS®

**Disinfectant / Virucidal* / Tuberculocidal / Sterilant
Food-Contact Surface and Potable Water Tank
Sanitizer / Oxidizing Tablets**

For use in Hospitals, Medical, Dental, Industrial, Manufacturing and Institutional Facilities, Laboratory Animal Facilities, Clinical and Research Laboratories, Veterinary Hospitals and Clinics, and Animal Rearing and Confinement Facilities.

Active Ingredients:

Sodium Chlorite	20.8%
Sodium Dichloroisocyanurate dihydrate	7.0%
Other Ingredients	72.2%
Total	100.0%

KEEP OUT OF REACH OF CHILDREN

DANGER

See back panel for First Aid and Precautionary Statements.

EPA Reg. No. 70060-19-46269 EPA Est. No. 46269-DE-01

NET WEIGHT:

6.0 Gram Tablets (160 ea.) 2.14 lbs. (960 grams)

Expiration Date: _____ Lot #: _____

Manufactured for:



Quip Laboratories, Inc.

1500 Eastlawn Avenue • Wilmington, DE 19802

TEL 800-424-2436 • FAX (302) 761-2611

Patent: 6,699,404
Contains



Aseptrol and the Aseptrol logo are registered trademarks of BASF.

Sodium Chlorite in this product is from Spain.

LABORATORY ANIMAL FACILITIES, ANIMAL REARING FACILITIES AND ANIMAL RESEARCH FACILITIES AND LABORATORIES

Use **MB-10 Tablets®** to disinfect and kill tuberculosis bacteria, HIV-1, Human coronavirus, Hepatitis B Virus, Hepatitis C Virus, Newcastle Disease virus, Norovirus, Foot and Mouth Disease Virus, Human Influenza A virus (Hong Kong), Avian Influenza A (H3N2) virus and animal viruses* on hard non-porous surfaces such as floors, walls, counters, stainless steel environmental surfaces, bio-safety hoods, sinks, tiles, cages, coops, crates, kennels, instruments and utensils. Preclean surfaces and then apply either a 100 ppm chlorine dioxide solution (for Human Influenza A virus (Hong Kong), Avian Influenza A (H3N2) virus and animal viruses*) or 200 ppm chlorine dioxide solution (for disinfection, HIV-1, Human coronavirus and TB control). Apply the use-solution with a cloth, mop, sponge or sprayer or by immersion. Treated surfaces must remain wet for 10 minutes (30 minutes for Foot and Mouth Disease Virus). Wipe dry with a cloth, sponge or mop or allow to air dry. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface and spray until totally wet. Do not breathe spray. Allow to air dry.

ANIMAL ROOM DISINFECTION DIRECTIONS USING AN ULTRA LOW VOLUME FOGGING DEVICE

Remove all animals and feed from animal room, vehicles and enclosures. Remove all litter from floors, walls and surfaces of the room to be treated. Empty all feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water. Close room off so fog is confined to room to be treated. Mix two (2) 6 gram **MB-10 Tablets®** or eight (8) 1.5 gram **MB-10 Tablets®** into one gallon of water making a 200 ppm solution of chlorine dioxide. Place Ultra Low Volume (ULV) fogger in center of room or insert the nozzle of the fogger through a suitable opening into the room. With the Flow Rate setting in HIGH output, apply fog for 15 minutes for each 3000 cubic feet of space in the room, thorough wetting of all surfaces is required.

NOTE: The fog generated is irritating to the eyes, skin and mucous membranes. Do not allow people to enter treated room until ten air exchanges or 2 hours of mechanical ventilation (i.e., fans). If the building must be entered, then the individuals entering the building must wear a self contained respirator approved by NIOSH/MSHA, goggles, long sleeves and long pants.

FOGGING IS TO BE USED AS AN ADJUNCT TO ACCEPTABLE MANUAL CLEANING AND DISINFECTING FOR ROOM AND MACHINE SURFACES.

INSTITUTIONAL AND INDUSTRIAL FACILITIES

Use **MB-10 Tablets®** to disinfect pre-cleaned surfaces in institutional and industrial facilities such as office buildings, food processing plants, schools, hotels and motels, recreational facilities, recreational centers, institutional kitchens, supermarkets, grocery stores, boats, public facilities and military installations. Apply a 200 ppm chlorine dioxide use-solution to hard, non-porous surfaces thoroughly wetting surfaces with a cloth, mop, sponge or sprayer or by immersion. Treated surfaces must remain wet for 10 minutes (30 minutes for Foot and Mouth Disease Virus). Wipe dry with a cloth, sponge or mop or allow to air dry. For sprayer applications use a coarse spray device. Spray 6 - 8 inches from the surface and spray until totally wet. Do not breathe spray. Allow to air dry. A potable water rinse is required for any surface that may come into contact with food.

HEALTH-CARE AND VETERINARY FACILITIES

Use **MB-10 Tablets®** to disinfect pre-cleaned surfaces and to decontaminate instruments in hospitals, medical and dental offices, veterinary offices, veterinary clinics, veterinary hospitals and related facilities. Apply a 200 ppm chlorine dioxide use-solution to hard, non-porous surfaces and/or instruments thoroughly wetting surfaces with a cloth, mop, sponge or sprayer or by immersion. Treated surfaces must remain wet for 10 minutes (30 minutes for Foot and Mouth Disease Virus). Wipe dry with a cloth, sponge or mop or allow to air dry. For sprayer applications, use a coarse spray device. Spray 6-8 inches from the surface and spray until totally wet. Do not breathe spray. Allow to air dry. The 200 ppm chlorine dioxide use-solution is effective against gram negative and gram positive bacteria, HIV-1, Human coronavirus, Hepatitis B Virus, Hepatitis C Virus, Newcastle Disease virus, Norovirus, Foot and Mouth Disease Virus, Human Influenza A virus (Hong Kong), Avian Influenza A (H3N2) virus, animal viruses*, and tuberculosis bacteria.

This product is not to be used as a terminal sterilant / high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to decontaminate pre-cleaned critical or semi-critical medical devices prior to sterilization or high-level disinfection.

FOOD-CONTACT SURFACE SANITIZER

Use **MB-10 Tablets®** to sanitize hard, nonporous food-contact surfaces and utensils, such as food processing equipment, dairy equipment, food utensils, dishes, silverware, glasses, sink tops, countertops, refrigerated storage and display equipment and other hard surfaces in food processing plants, breweries, bottling plants, restaurants and other food handling establishments.

Prior to application, remove gross food particles and soil by a pre-flush, or pre-scrub and, when necessary, pre soak. Then thoroughly wash or flush surfaces with a good detergent or compatible cleaner followed by a potable water rinse before application of the sanitizer solution. Apply a use solution of 25 ppm chlorine dioxide to pre-cleaned hard surfaces thoroughly wetting surfaces with a cloth, mop, sponge, coarse sprayer or by immersion. Surfaces must remain wet for at least 60 seconds and then followed by adequate draining and air drying. Do not rinse.

POTABLE WATER TANK SANITIZER ABOARD AIRCRAFT, BOATS AND RECREATIONAL VEHICLES

Use **MB-10 Tablets®** to sanitize potable water tanks. Prior to sanitizing, empty potable water tank and fill with clean water.

Preparation of Use-Solution: Prepare in well ventilated area. For every 30 gallons of tank capacity place 71 grams **MB-10 Tablets®** in a clean plastic pail and dissolve with one gallon of clean water. Wait 10 - 15 minutes for the **MB-10 Tablets®** to completely dissolve. Once added to tank this will yield a working solution of 50 ppm free chlorine dioxide.

Add prepared use solution to tank and allow to soak at least 60 seconds. Empty tank and flush with clean water to rinse.