How to make CDS – Detailed Version Chlorine Dioxide Solution (ClO₂ + H₂O)

Ensure all items listed in table 1 are available.

#	Items Needed for Making MMS	Where to Purchase
1	Mason Jar	<u>Amazon</u>
2	Distilled Water	Purchase Locally
3	Shot Glass	Amazon
4	Syringe (5ml)	<u>Amazon</u>
5	MMS, Sodium Chlorite 25% Solution	Purchase or Make
6	Hydrochloric Acid (HCI) 4% solution	Purchase or Make

See page 6 for "How to make CDS – Quick Version"



Table 1

Make sure the working area is clean and clear. Place airtight Mason jar on table.

Make sure the Mason jar is clean and dry.

Make sure shot glass is clean and dry. Place shot glass inside of Mason jar.



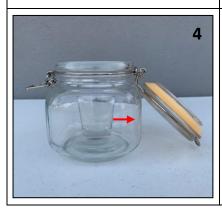
Push the shot glass to one side of the Mason jar.



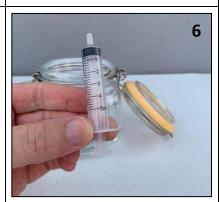
Pour distilled water into the Mason jar. Ensure that the water level is a $\frac{1}{2}$ " (6mm) below the shot glass brim.



Use a 5ml syringe to measure Sodium Chlorite (NaClO₂) and Hydrochloric Acid (HCl).







If desired, syringe plunger can be removed to simplify filling. Note, 4% HCl is a weak solution. Hands can be washed when done.

Fill syringe with 5 ml of Sodium Chlorite. Release Sodium Chlorite into shot glass. Make sure it only enters the shot glass.

Fill syringe with 5 ml of Hydrochloric Acid. Release Hydrochloric Acid into shot glass. Make sure it only enters the shot glass.



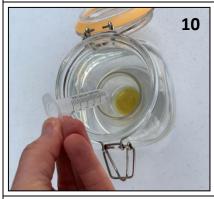


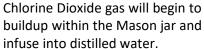


The Sodium Chlorite will begin to react with Hydrochloric Acid to create Chlorine Dioxide.

Close the Mason jar lid to prevent Chlorine Dioxide gas from escaping.

Ensure that the Mason jar lid is locked.







Place the Mason jar in a cabinet.



Make sure the temperature is well above 51.8° F (11° C). Higher temperature will increase gas off and decrease infusion time.





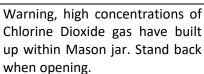


Wait 12 to 24 hours for Chlorine Dioxide to infuse into distilled water.

Remove Mason from cabinet. Ensure the working area is clean and clear before placing Mason jar on table.

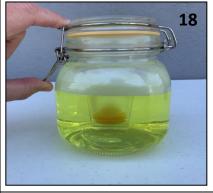
Make sure the Mason jar is unlocked outdoors or in a well ventilated area.



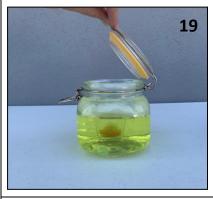




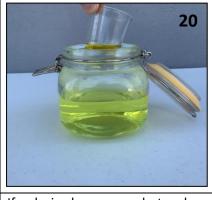
Remove shot glass with content.



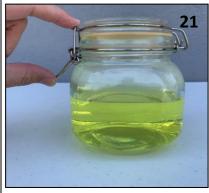
Close and lock Mason jar to avoid losing Chlorine Dioxide gas.



The contents in shot glass can either be disposed of or used as a disinfectant (i.e. Spray bottle with water).



If desired, pour shot glass contents into spray bottle.



Dilute spray bottle contents with water. Can be used to disinfect floors, countertops, bathrooms, etc.







Replace spray bottle spray handle.

Open lid and place shot glass into Mason jar again.

Ensure that shot glass in placed in the center of Mason jar.



Fill syringe with 5 ml of Sodium Chlorite. Release Sodium Chlorite into shot glass. Make sure it only enters the shot glass.



Fill syringe with 5 ml of Hydrochloric Acid. Release Hydrochloric Acid into shot glass. Make sure it only enters the shot glass.



The Sodium Chlorite will begin to react with Hydrochloric Acid to create Chlorine Dioxide.



Close lid and lock Mason jar. Chlorine Dioxide gas off and infuse into distilled water.



Place the Mason jar in a cabinet.



Wait 12 to 24 hours for Chlorine Dioxide to infuse into distilled water.







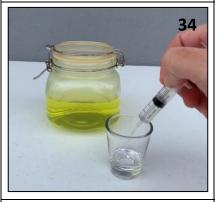
How to Test Chlorine Dioxide Parts Per Million (PPM)

Place 9 ml of distilled water in a glass.

Place 1 ml of Chlorine Dioxide in a glass with distilled water.

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Give glass a swirl and before testing Chlorine Dioxide ppm with test strip.



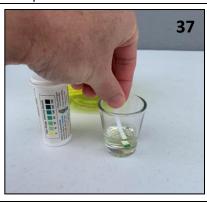
Place test strip in diluted solution for 2 seconds and wait 10 seconds for final results. Compare color to bottle label.

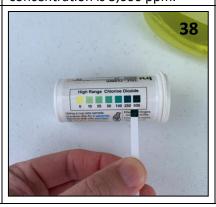


The ppm should be around 300 ppm when diluted with 9 ml of distilled water. This means final concentration is 3,000 ppm.



Store CDS inside a refrigerator. Note, temperatures greater than 51.8°F (11°C) to cause the Chlorine Dioxide to gas off.

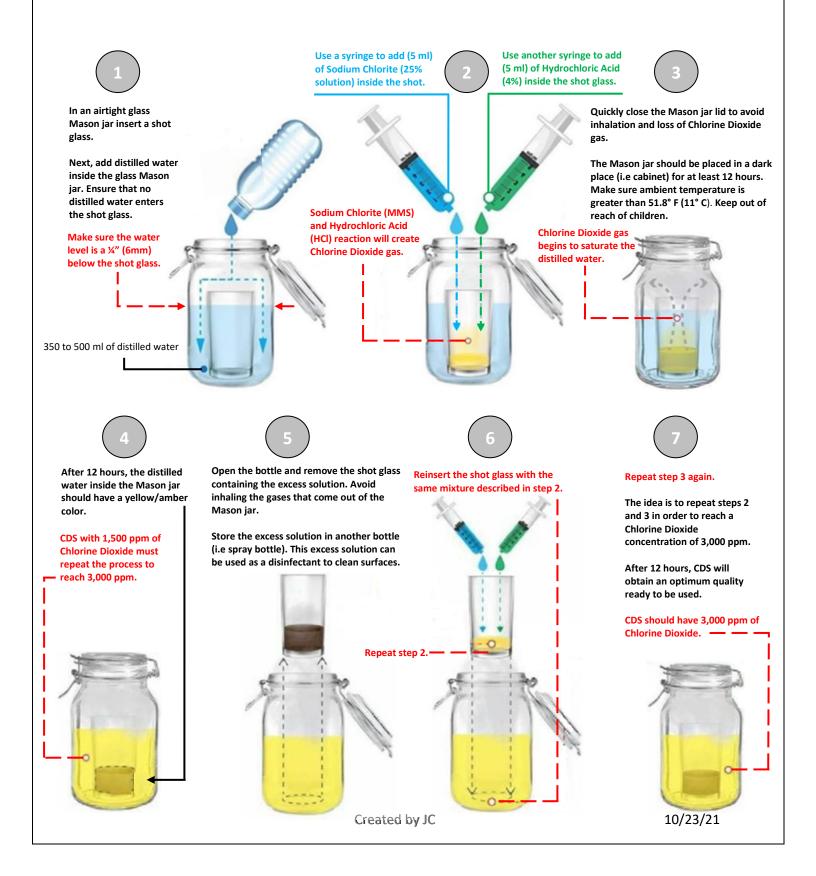






The attached video shows how Andreas Kalcker makes CDS. https://www.brighteon.com/98951596-048d-403f-85c3-db5ff006d0ef

How to Make CDS – Quick Version Chlorine Dioxide Solution (ClO₂ + H₂O)



How to Take CDS $(CIO_2 + H_2O)$

Steps for Preparing CDS

- 1. Using a syringe with milliliter markings, place desired amount of CDS in a clean, dry glass.
- 2. Add 4 oz. (120 ml) of filtered/distilled water to glass
- 3. Drink CDS with filtered/distilled water.

