

# What is CDS?

<https://mmsforum.io/goto/mms/32541-bath-protocol-for-scabies-with-platinum-implant#61591>

26 October 2019 by CLO2

<https://mmsinfo.org>

*"Thank you for your answer. I would like to use cds but looking the videos of Andreas, it take about 24 hrs to prepare cds."*

A recent [YouTube video by Andreas Kalcker](#) on making 3000 ppm CDS (Chlorine Dioxide Solution) using MMS and 4% HCL was based on a paper I published on my website in 2015. A double infusion of reactor ingredients was necessary to achieve 3000 ppm CDS, which extended the processing time from 12 to 24 hours. Previously, MMS plus 10% HCL or 50% citric acid was required to make 3000 ppm CDS with a single infusion. Nowadays, most people only have (or need) 4% HCL MMS activator and no longer use (or need) 10% HCL or 50% citric acid, for many good reasons. I have since published another paper on my website titled "[Making 3000 ppm CDS Using MMS & 4% HCL: 24+ Hours Single Infusion Inside A Refrigerator](#)" which, as the title says, will produce 3000 ppm CDS using just one infusion. However, the time increases up to a maximum of 48 hours, depending on the reactor and receiver containers and recipe used. (CDH is made by combining MMS, 4% HCL & water in 1 bottle.)

*"What do you mean will "contain some residual MMS and acid activator"? Is not CDS the mix of MMS and acid activator?"*

CDS is the indirect product of mixing MMS and 4% HCL; Chlorine Dioxide gas (CLO<sub>2</sub>) in water. When the two chemicals are mixed together in a reactor vessel, placed inside a larger vessel (the receiver container), CLO<sub>2</sub> gas transfers to the water in the receiver. Therefore, CDS is only CLO<sub>2</sub> gas in water and does not contain either of the two ingredients in the reactor, MMS or 4% HCL.

When making MMS1 or CDH, both MMS and 4% HCL (plus other by-products) are in the final product. MMS in MMS1 is about 10% activated while MMS in CDH is about 50% activated. Both rely on stomach acid to complete the activation of residual MMS. That is the reason for my two different CDS & CDH vs MMS1 equivalence [dosing charts](#). One chart for external use and one chart for ingestion.

CLO<sub>2</sub> gas just starting to outgas into water, creating CDS 48 hrs later. ↓

[Watch how-to-make CDH](#)



CDS +2 minutes in fridge. All solutions and containers were at room temperature. 360 ml filtered water + 18 ml 4% muriatic acid (new) + 18 ml MMS. 23feb'20 @1235 Receiver is 750 ml capacity. MMSinfo.org



Fridge CDS at +2 hours 23feb'20

Note: This is the 4% HCL single infusion method.



CDH