1 Drop Dose of MMS1 Can Equate to 1ml of CDH & 2ml of CDS

- ▶ MMS is a 22.4% solution of 80% sodium chlorite powder or flakes (NaClO2) in water.
- MMS1 is activated MMS. It is MMS plus an activator; when the two are mixed together they produce chlorine dioxide (ClO2).
- ► MMS1, CDH and CDS are Sodium Chlorite Solutions (SCS).
 ► Drop size based on 24 drops = 1 ml (1 drop=0.042 ml)
- 1. Why this paper? To prevent under-dosing CDH and CDS when using Protocols.
- 2. MMS Protocols were designed for use with MMS1, not CDH or CDS which need different dosing.
- 3. Theory: 1 drop of MMS contains 6.7mg of chlorine dioxide (CLO2) when 24 drops = 1ml. 1 drop=0.042 ml
- 4. <u>Fact</u>: 1 drop of MMS is <u>activated</u> about 7% externally when combined with 50% citric acid 1-to-1 for 20 to 30 seconds. The remaining MMS in MMS1 should fully activate in a stomach with normal gastric acids.
- 5. Fact: Many people have normal gastric acids to activate residual MMS in MMS1 & CDH; older people less.
- 6. <u>CDH Recipes</u> were designed so each milliliter of CDH will be made from 1 drop of MMS. <u>NOTE</u>: only applies to McRae-Lackney recipes, not to any other recipes.
- 7. <u>1ml of CDH</u> and a 1 drop dose of MMS1 are both made from 1 drop of MMS.
- 8. <u>1ml of CDH</u> and a 1 drop dose of MMS1 both have the potential to produce 6.7mg of CLO2 when ingested in a stomach with adequate gastric acid.
- 9. <u>CDH4%</u> is about 50% activated externally and <u>CDH2%</u> about 25% activated. Fridge life 2 weeks/2 months.
- 10. If there is little or no stomach gastric acid present, CDH will provide more CLO2 than MMS1.
- 11. <u>CDS</u> is fully activated externally and can not increase nor decrease in CLO2 content when in a stomach.
- 12. <u>A recent newsletter</u> from Jim Humble said the maximum amounts of CDH and CDS to use with Protocol 1000 were 3ml and 6ml respectively. Protocol 1000 limits MMS1 to 3 drops per hour.
- 13. <u>Therefore</u> one can conclude that a 3 drop dose of MMS1, 3ml of CDH & 6ml of CDS can deliver the <u>same</u> amounts of CLO2 if adequate stomach acids are present for MMS1 & CDH. <u>Math & photos</u> prove this.
- 14. If no stomach acids are present, then CDS can provide more CLO2 than MMS1 or CDH.
- 15. <u>Between zero and normal stomach acids</u>, varying amounts of additional CLO2 can be provided by MMS1 and CDH.
- 16. <u>MMS Tablets</u> would be a good choice for someone who has little or no gastric acids as they contain an activator and will fully activate in plain water.
- 17. A little math will be necessary to show how much CLO2 is in 6ml of 3000ppm CDS.
- 18. Volume of SCS (liters) x CLO2 Concentration (ppm) = Dose (mg of CLO2) (0.006 x 3000 = 18)
- 19. 6ml of CDS contains 18mg of CLO2.
- 20. 3 drop dose of MMS1 provides 20.1mg of CLO2 if fully activated. (6.7mg/drop of MMS) (3 x 6.7 = 20.1)
- 21. <u>3ml of CDH</u> provides 20.1mg of CLO2 if fully activated. (6.7mg/drop of MMS used to make each ml of CDH)
- 22. <u>It is not possible</u> to measure the total amount of CLO2 that MMS1 or CDH could produce in a stomach, but the maximum possible amounts of CLO2 in milligrams can be calculated by multiplying 6.7 x MMS drops.
- 23. <u>Because</u> stomach acid availability is unknown when ingesting MMS1 or CDH, the amount of CLO2 that may be produced is unknown. Therefore, knowing the external CLO2 concentration isn't useful information.