

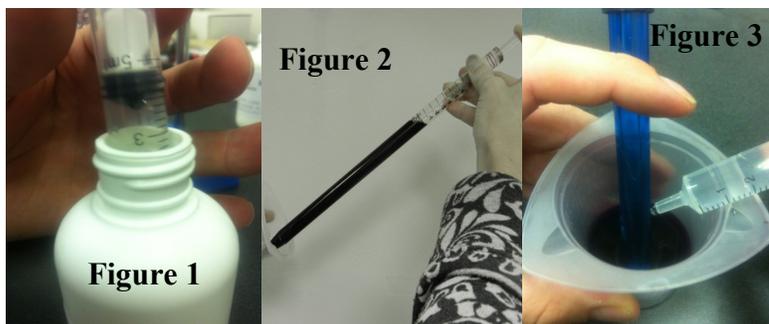
## Quick Start Guide for Vinmetrica SC-100A™

### Set-Up:

For the first time set up, please see the 'Setup' section of the manual.

### Free SO<sub>2</sub> Test:

1. After turning the device on, attach the SO<sub>2</sub> electrode.
2. The value on the screen should show a value less than 50 (usually 0.00) and the green PROCEED light should be illuminated.
3. Fill syringe with SO<sub>2</sub> Titrant, set to a readable point; (i.e: can be '0' but doesn't have to be.) This is your starting value 'S'. (Figure 1).
4. Draw up a 25mL sample of wine or must and dispense into the titration vessel. (Figure 2).
5. Using the transfer pipettes, add about one (1) bulb of Acid Reagent and one (1) bulb of Reactant solution to the titration vessel. Begin stirring at a moderate rate using a swirling motion with your hand.



6. Rinse electrode with distilled water and place into the titration vessel. Make sure you continue to stir or swirl the solution at a moderate rate.
7. With a current less than 50 and the green PROCEED light lit, go to step 8. If the current is greater than 50 and/or the STOP light is illuminated, no need to proceed (you have less than 2ppm Free SO<sub>2</sub>).
8. Titrate the sample by adding the SO<sub>2</sub> Titrant dropwise from the syringe (Figure 3). Make sure you continue to stir or swirl the solution at a moderate rate.
9. Stop when beeper sounds for 20 seconds (20 consecutive beeps), red "STOP" light is on and the current exceeds 50. Note the final volume. This is your "F" value.
10. Calculate Free SO<sub>2</sub>

$$V = F - S$$

$$\text{ppm SO}_2 = 20 * V$$

Where V is S minus the endpoint on the burette (mL).

**Cap and seal all reagents and store in a dark, cool location. When finished testing, rinse SO<sub>2</sub> electrode with DI water and allow to air dry. No need to replace the rubber cap. For "Total S02" please refer to the manual provided.**

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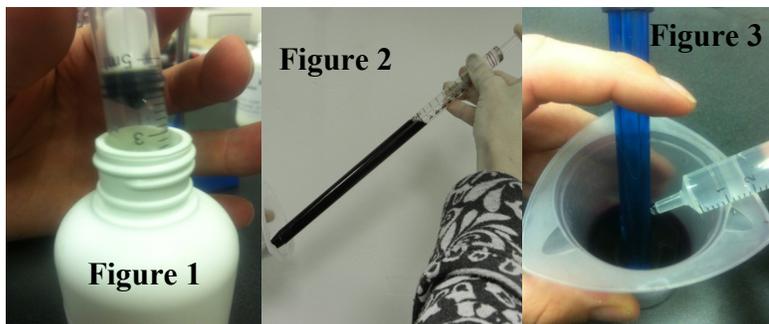
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