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## ***INSTRUCTIONS FOR USE***

### ***B&M IODATE CONCENTRATE***

1. This is the new formula for the iodate reagent mixture. If you have a new Deox 2000 Analyzer with the black casting wetside, proceed to step #2. If your have a Deox 2000 Analyzer that has a gray pvc wetside with a constant level box, do the following:
  - A If replacement peristaltic tubing is available, replace the existing tubing with new
  - B If new tubing is not available, label the existing acetic acid or pH4 buffer feed tube to now read "Iodate Feed" and label the existing iodate feed tube to now read "KI Feed Tube"
2. Pour the entire contents of the new iodate concentrate reagent into a clean, empty gallon container
3. Fill the container with pH4 Buffer (U13765) to make a gallon of iodate solution. Cap the gallon tightly and shake well to mix. Mark the container "Iodate Solution."
4. Add 125 grams of KI (potassium iodide) powder (U23661) to a second clean empty gallon container. NOTE: for future use, take a small beaker and add the 125 grams of KI to the beaker. Mark the level on the beaker. This will prevent you from weighing out 125 grams each time you need to make a bottle of KI solution.
5. Fill the second container with distilled water to make one gallon of KI solution. Cap the container. Shake well until all the KI powder is completely dissolved. Mark the container "KI Solution."
6. Place the reagent feed tube marked "Iodate Feed" in the container marked "Iodate Solution." Place the reagent feed tube marked "KI Feed" in the container marked "KI Solution."  
NOTE: It is important that you never cross connect the feed tubes or contamination of the iodate will occur
7. If you are using detergent additive solution (U29142) you may continue to use it. Place only one capful of detergent additive into the container marked KI solution

***BM2130 + 2.5 PPM***

***BM2131 + 5.0 PPM***

***BM2132 + 10.0 PPM***