

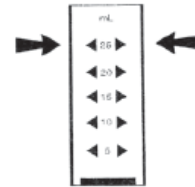
# Dissolved Oxygen Sampling Instructions

*Sunlight can damage the ampoules in your DO kit.  
Keep them shaded at all times.*

Time – 3 minutes  
Persons – 1  
Materials – Chemetrics  
Dissolved Oxygen Sampling  
Kits

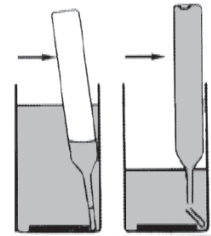
## Step 1

1. Pre-rinse collection bottle with stream water.
2. Fill the sample cup to the 25 ml mark with your sample.



## Step 2

1. Place the glass ampoule in the sample cup.
2. Snap the tip by pressing the ampoule against the side of the cup.
3. The ampoule will fill, leaving a small bubble that will help you mix the contents.

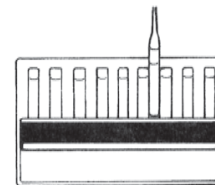


## Step 3

1. Mix the contents of the ampoule by turning it up and down several times, allowing the bubble to travel from end to end each time.
2. Wipe all liquid from the outside of the ampoule.

## Step 4

1. Wait 2 minutes for color development.



## Step 5

1. With the sun (or another light source) shining on the comparator (rack of colored tubes) from directly above, place the dissolved oxygen ampoule between the color standards for viewing. It is important that the ampoule be compared by placing it on both sides of the color standard tube before deciding that it is darker, lighter or equal to the color standard.
2. Record the concentration of the best color match.

### **In Utah:**

The minimum concentration for coldwater fish is 6.5 mg/l.

The minimum concentration for warmwater fish is 5.5 mg/l.