Chlorine (Cl)

Directions for testing the
Free Available Chlorine (FAC)

1. **Rinse** the cylinder prior to use.
2. **Fill the cylinder with 25 ml of water** from the PoolComm CAT Controller.
3. Take the **small blue spoon and add 2 scoops** of the **R-0870 powder** to the water sample.
4. After the 2ⁿᵈ scoop, dip the spoon in the sample to make sure it is free of powder.
5. Put the spoon upright in the tray (next to the R-0870 powder) with the **bowl at the top.**
6. **Swirl the water until the powder is dissolved.**
7. If there is any **FAC** present in the sample, the water will turn **pink**.
8. **Add R-0871 one drop at a time**. After each drop, swirl the sample. **Count** the number of drops it takes for the sample to turn clear.
9. **Multiply the total number of drops by .2**
10. The result is the amount of FAC present in the water sample.
11. **Enter the total in the chemical test sheet.**

Directions for testing the
Combined Chlorine (CC)

1. Using the same sample you used to test the FAC, add 5 drops of R-0003.
2. Swirl to mix the sample.
3. If there is any **CC** present in the sample, the water will turn **pink.**
4. **Add R-0871 one drop at a time**. After each drop, swirl the sample. **Count** the number of drops it takes for the sample to turn clear.
5. **Multiply the total number of drops by .2**
6. The result is the amount of cc present in the water sample.
7. **Enter the total in the chemical test sheet.**

The difference between FAC and CC:

- **The Free Available Chlorine (FAC)** refers to all chlorine present in the water

- **The Combined Chlorine (CC)** the amount of chlorine that has been used up by the sanitation process of the water

Chlorine Math

# Drops	x .2	=
0	x.2	0
1	x .2	.2
2	x .2	.4
3	x .2	.6
4	x .2	.8
5	x .2	1.0
6	x .2	1.2
7	x .2	1.4
8	x .2	1.6
9	x .2	1.8
10	x .2	2.0

FAC Goal = 2.0 ppm

If your test result for FAC is 2.0 or below, please consult this chart to determine how long to do an ORP Autofeed:

If FAC is	Then, do an ORP for
0.0 or 0.2	20 minutes
0.4 or 0.6	15 minutes
0.8 or 1.0 or 1.2	10 minutes
1.4 or 1.6	5 minutes
1.8 or 2.0	1 minute

Directions for how to start an Autofeed:

On the PoolComm CAT Controller,
- Press "Menu"
- Press "Up" button until you see **"ORP Feed Mode"**
- Press "Enter"
- Press "Up" button until you see **"Automatic Feed Mode"**
- Press "Up" button until you see the time needed (20, 15, 10, 5, or 1 minute)
- Press "Enter"
- Press "Menu"

Ozone Information

Ozone is a highly powerful and effective water sanitizer (used to purify bottled drinking water) that destroys bacteria, viruses, and other contaminants.

Scientifically speaking, **ozone is a form of oxygen that is created when electrical energy breaks apart an oxygen molecule (O_2) which effectively results in the creation of ozone (O_3).**