

**Total Hardness**

Code : XL-101 L

Range : 1 - 20, 5 - 100 ppm as CaCO<sub>3</sub>**AQUA-XL**  
Water Analysing Kits**Directions for use :**

1. Take 20 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 8 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness.**
7. Now drop wise add Reagent TH-3L, counting the number of drops while mixing **until the colour changes from RED to BLUE.**

# *If the expected Hardness of the test sample is more than 20 ppm, then take 10 ml sample & use Reagent TH-4 instead of Reagent TH-3L.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 1 x Number of drops of Reagent TH-3L.Total Hardness as ppm CaCO<sub>3</sub> = 5 x Number of drops of Reagent TH-4.**Total Hardness**

Code : XL-101

Range : 2 - 40 & 5 - 100 ppm as CaCO<sub>3</sub>**AQUA-XL**  
Water Analysing Kits**Directions for use :**

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 6 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness.**
7. Now drop wise add Reagent TH-3 , counting the number of drops while mixing **until the colour changes from RED to BLUE.**

# *If the expected Hardness of the test sample is more than 40 ppm, then use Reagent TH-4 instead of Reagent TH-3.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 2 x Number of drops of Reagent TH-3.Total Hardness as ppm CaCO<sub>3</sub> = 5 x Number of drops of Reagent TH-4.

**Total Hardness**

Code : XL-111

Range : 5 – 100 & 25 -500 ppm as CaCO<sub>3</sub>**AQUA-XL**

Water Analysing Kits

**Directions for use :**

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 6 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness**.
7. Now drop wise add Reagent TH- 4, counting the number of drops while mixing **until the colour changes from RED to BLUE**.

# *If the expected Hardness of the test sample is more than 100 ppm, then use Reagent TH-5 instead of Reagent TH-4.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 5 x Number of drops of Reagent TH-4.Total Hardness as ppm CaCO<sub>3</sub> = 25 x Number of drops of Reagent TH-5.**Total Hardness**

Code : XL-121

Range : 2 - 40 & 25 - 500 ppm as CaCO<sub>3</sub>**AQUA-XL**

Water Analysing Kits

**Directions for use :**

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 6 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness**.
7. Now drop wise add Reagent TH- 3, counting the number of drops while mixing **until the colour changes from RED to BLUE**.

# *If the expected Hardness of the test sample is more than 40 ppm, then use Reagent TH-5 instead of Reagent TH-3.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 2 x Number of drops of Reagent TH-3.Total Hardness as ppm CaCO<sub>3</sub> = 25 x Number of drops of Reagent TH-5.

**Total Hardness****Code : XL-121 H****Range : 2 - 40 & 50 – 1500 ppm as CaCO<sub>3</sub>****AQUA-XL**Water Analysing  
Kits**Directions for use :**

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 6 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness.**
7. Now drop wise add Reagent TH- 3, counting the number of drops while mixing **until the colour changes from RED to BLUE.**

# *If the expected Hardness of the test sample is more than 40 ppm, then take 5 ml of sample instead of 10 ml and use Reagent TH-5 instead of Reagent TH-3.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 2 x Number of drops of Reagent TH-3.Total Hardness as ppm CaCO<sub>3</sub> = 50 x Number of drops of Reagent TH-5.**Total Hardness****Code : XL-111H****Range : 5 – 100 & 50 -1000 ppm as CaCO<sub>3</sub>****AQUA-XL**

Water Analysing Kits

**Directions for use :**

1. Take 10 ml of water sample to be tested in the Test jar.
2. Add 1 Flat micro spoon full of Reagent TH-1.
3. Mix contents well to dissolve.
4. Add 6 drops of Reagent TH-2 and mix well.
5. If colour turns blue, **it indicates there is no hardness** in the water.
6. If colour turns red, **it indicates there is hardness.**
7. Now drop wise add Reagent TH- 4, counting the number of drops while mixing **until the colour changes from RED to BLUE.**

# *If the expected Hardness of the test sample is more than 100 ppm, then take 5 ml sample and use Reagent TH-5 instead of Reagent TH-4.*

**Calculations :**Total Hardness as ppm CaCO<sub>3</sub> = 5 x Number of drops of Reagent TH-4.Total Hardness as ppm CaCO<sub>3</sub> = 50 x Number of drops of Reagent TH-5.