

HI3834

## Iron Test Kit

### Medium Range with Color Cube

The HI3834 is a colorimetric chemical test kit that determines the total iron concentration within a 0 to 5 mg/L (ppm) range. The HI3834 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents to perform approximately 50 tests.

- **Complete setup**
  - All required materials are included with the test kit, such as the sample beaker, color comparison cube, and reagent packets.
- **High resolution**
  - Readings from 0 to 5 mg/L are determined to 1 mg/L resolution.
- **Replacement reagents available**
  - There is no need to buy a new kit when reagents are exhausted. The HI3834-050 can be ordered to replace the reagents supplied with the kit.

### Significance of Use

Iron is naturally present in water in low concentrations, but it reaches high concentrations in wastewater effluents. The iron concentration in water needs to be monitored because it becomes harmful above certain levels. In domestic water, for instance, iron can stain laundry, damage kitchenware, favor the growth of certain bacteria, and unpleasantly alter the taste of water. Iron is also an indicator of ongoing corrosion in water cooling and heating systems. Moreover, iron is normally monitored in mining wastewater to avoid contamination.



Specifications	HI3834 Iron ( $\text{Fe}^{2+}$ & $\text{Fe}^{3+}$ )
Type	colorimetric
Range	0-5 mg/L (ppm)
Smallest Increment	1 mg/L (ppm)
Method	phenanthroline
Number of Tests	50 avg.
<b>Ordering Information</b>	<b>HI3834</b> test kit comes with 50 packets iron reagent, color comparison cube and 20 mL plastic vessel.
<b>Reagent</b>	<b>HI3834-050</b> iron, 50 tests avg.

HI38039

## Iron Test Kit

### Low Range with Checker® Disc

The HI38039 is a colorimetric chemical test kit that determines the total iron concentration within a 0.00 to 1.00 mg/L (ppm) range. The HI38039 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents to perform approximately 100 tests.

- **Complete setup**
  - All required materials are included with the test kit, such as the glass vials, plastic pipette, reagent packets, and Checker® disc.
- **High resolution**
  - Readings from 0.00 to 1.00 mg/L are determined to 0.02 mg/L resolution.
- **Replacement reagents available**
  - There is no need to buy a new kit when reagents are exhausted. The HI38039-100 can be ordered to replace the reagents supplied with the kit.

### Significance of Use

Iron is naturally present in water in low concentrations, but it reaches high concentrations in wastewater effluents. The iron concentration in water needs to be monitored because it becomes harmful above certain levels. In domestic water, for instance, iron can stain laundry, damage kitchenware, favor the growth of certain bacteria, and unpleasantly alter the taste of water. Iron is also an indicator of ongoing corrosion in water cooling and heating systems. Moreover, iron is normally monitored in mining wastewater to avoid contamination.



Specifications	HI38039 Iron ( $\text{Fe}^{2+}$ & $\text{Fe}^{3+}$ )
Type	checker disc
Range	0.00-1.00 mg/L (ppm)
Smallest Increment	0.02 mg/L (ppm)
Method	phenanthroline
Number of Tests	100 avg.
<b>Ordering Information</b>	<b>HI38039</b> test kit comes with 100 packets iron reagent, checker disc, glass vials with caps (2) and 3 mL plastic pipette.
<b>Reagent</b>	<b>HI38039-100</b> iron LR, 100 tests avg.