

HI38040

Iron Test Kit

Medium Range with Checker® Disc

The HI38040 is a colorimetric chemical test kit that determines the total iron concentration within a 0.0 to 5.0 mg/L (ppm) range. The HI38040 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for 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 0.0 to 5.0 mg/L are determined to 0.1 mg/L resolution.
- **Replacement reagents available**
 - There is no need to buy a new kit when reagents are exhausted. The HI38040-100 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.

HI38041

Iron Test Kit

High Range with Checker® Disc

The HI38041 is a colorimetric chemical test kit that determines the total iron concentration within a 0.0 to 10.0 mg/L (ppm) range. The HI38041 is supplied with all of the necessary reagents and equipment to perform the analysis. The test kit contains enough reagents for 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 0.0 to 10.0 mg/L are determined to 0.2 mg/L resolution.
- **Replacement reagents available**
 - There is no need to buy a new kit when reagents are exhausted. The HI38041-100 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 | HI38040 Iron (Fe ²⁺ & Fe ³⁺) |
|-----------------------------|--|
| Type | checker disc |
| Range | 0.0-5.0 mg/L (ppm) |
| Smallest Increment | 0.1 mg/L (ppm) |
| Method | phenanthroline |
| Number of Tests | 100 avg. |
| Ordering Information | HI38040 test kit comes with 100 packets iron reagent, checker disc, glass vials with caps (2) and 3 mL plastic pipette. |
| Reagent | HI38040-100 iron MR, 100 tests avg. |

| Specifications | HI38041 Iron (Fe ²⁺ & Fe ³⁺) |
|-----------------------------|---|
| Type | checker disc |
| Range | 0.0-10.0 mg/L (ppm) |
| Smallest Increment | 0.2 mg/L (ppm) |
| Method | phenanthroline |
| Number of Tests | 100 avg. |
| Ordering Information | HI38041 test kit comes with 100 packets iron reagent, 500 mL deionized water, checker disc, glass vials with caps (2), 3 mL plastic pipettes and long plastic pipette. |
| Reagent | HI38041-100 iron HR, 100 tests avg. |