

# ZINC KIT



Code 7391-02 | Octa-Slide 2, 0-10.0 ppm

QUANTITY	CONTENTS	CODE
30 g	*Zinc Reagent Powder	*7393-G
15 mL	*Zinc Conditioning Reagent	*7361-E
1	Demineralizer Bottle, 60 mL	1151
1	Spoon, 0.5g, plastic	0698
1	Pipet, 1.0 mL, plastic	0354
2	Test Tubes, 2.5-5-10 mL, plastic, w/caps	0106
1	Zinc Octa-Slide 2 Bar, 0-10 ppm	7392-01
1	Octa-Slide 2 Viewer	1101



\*Reagent is a potential health hazard. **READ SDS:** [lamotte.com](http://lamotte.com)  
**Emergency information:**  
Chem-Tel USA 1-800-255-3924  
Int'l, call collect, 813-248-0585



To order individual reagents or test kit components, use the specified code number.

Warning! This set contains chemicals that may be harmful if misused. Read cautions on individual containers carefully.  
Not to be used by children except under adult supervision.

## USE OF THE OCTA-SLIDE 2 VIEWER

The Octa-Slide 2 Viewer should be held so non-direct light enters through the back of the Viewer. Insert the Octa-Slide 2 Bar into the Viewer. Insert the reacted sample into the top of the Viewer. Match the color of the reaction to the color standards.



## PROCEDURE

1. Insert the Zinc Octa-Slide 2 Bar [7392-01] into the Octa-Slide 2 Viewer [1101].
2. Use the 1.0 mL pipet [0354] to add 2 mL of sample water to a 5 mL test tube [0106].
3. Use water from the Demineralizer Bottle [1151] to fill test tube to the 5 mL line. Cap and mix.
4. Add 5 drops of \*Zinc Conditioning Reagent [7361]. Cap and mix. Wait one minute. This reagent will eliminate copper interference and adjust the pH of the sample water to pH 9. In water samples where the pH is very low, adjust the pH of the sample to approximately 9 before adding the \*Zinc Conditioning Reagent [7361].
5. Use the 0.5g spoon [0698] to add one level measure of \*Zinc Reagent Powder [7393]. Cap and shake for 15 seconds. Do not shake for longer than 15 seconds, even if some powder remains undissolved. Wait one minute. Do not mix.
6. Immediately insert the test tube into the Octa-Slide Viewer. If reading is darker than 10 ppm standard see procedure for High Range Readings.
7. Match the sample color to a color standard. Read within 30 seconds. Record as ppm Zinc.

NOTE: Slight variations in the amount of \*Zinc Reagent Powder [7393] added in Step 5 may cause the intensity, but not the shade, of the color reaction to vary. Since each color standard exhibits a distinct shade of color, this should not hinder the ability to get an accurate reading.

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## HIGHER RANGE READINGS (0-20.0 ppm)

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If reading is darker than the 10 ppm color standard repeat test on a diluted sample.

1. Use the 1.0 mL pipet (0354) to add 1 mL of sample water to a test tube (0106).
2. Follow Steps 3 through 7 above. Multiply reading by 2. Record as ppm Zinc.

## LOWER RANGE READINGS (0-4.0 ppm)

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For more precise measurements between 0 and 4 ppm.

1. Fill test tube (0106) to 5 mL line with sample water.
2. Follow Steps 4 through 7 above. Multiply reading by 0.4. Record results as ppm Zinc.