



FORMALDEHYDE IN WATER TEST KIT

MODEL FMD • CODE 6701

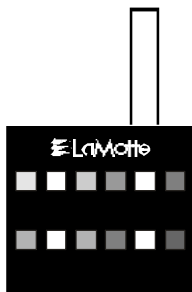
| QUANTITY | CONTENTS | CODE |
|------------|--|---------|
| 2 x 120 mL | *Formaldehyde Reagent #1 | *6697-J |
| 5 g | *Formaldehyde Reagent #2 | *6698-C |
| 120 mL | *Formaldehyde Reagent #3 | *6699-J |
| 2 | Pipets, 1 mL, plastic | 0354 |
| 1 | Spoon, 0.05g, plastic | 0696 |
| 2 | Test Tubes, 10 mL, glass, w/stoppers | 0843 |
| 1 | Vial, 12.5 mL, plastic | 1163 |
| 1 | Formaldehyde in Water Comparator, 0-10 ppm | 6702 |

***WARNING:** Reagents marked with a * are considered hazardous substances. Material Safety Data Sheets (MSDS) are supplied for these reagents. For your safety, read label and accompanying MSDS before using.

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

It may be necessary to run a reagent blank through this procedure to determine if there are any interferences present. This is accomplished by following the procedure below, using 10 mL of distilled water instead of the sample water. If the amount of color which develops in the reagent blank is greater than the zero value in the comparator, this value should be subtracted from the test result to determine the actual concentration of formaldehyde in the sample.

USE OF THE OCTET COMPARATOR



The Octet Comparator contains eight permanent color standards. A test sample is inserted into the openings in the top of the comparator. The sample can then be compared to four color standards at once, and the value read off the comparator. For optimum color comparison, the comparator should be positioned between the operator and a light source, so that the light enters through the special light-diffusing screen in the back of the comparator. Avoid viewing the comparator against direct sunlight or an irregularly lighted background.

PROCEDURE

1. Fill the vial (1163) to the 12.5 mL line with *Formaldehyde Reagent #1 (6697). Use 0.05g spoon (0696) to add one level measure of *Formaldehyde Reagent #2 (6698) and mix to dissolve the powder. This mixed reagent is stable for one day only.
2. Fill a clean test tube (0843) to the 10 mL line with sample water.
3. Use the 1 mL pipet (0354) to add 1.0 mL of reagent from Step 1 to the test tube. Cap and mix.
4. Use a second 1 mL pipet (0354) to add 1.0 mL of *Formaldehyde Reagent #3 (6699). Cap and mix. Wait 20 minutes for full color development.
5. Insert test tube into the Formaldehyde Comparator (6702). Match sample color to a color standard. Record as ppm Formaldehyde.

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