

HYDROGEN PEROXIDE KIT

DROP COUNT, 1 drop = 5 ppm

CODE 7138-DB-01

QUANTITY	CONTENTS	CODE
10 g	Potassium Iodide Crystals	6809-D
30 mL	Starch Indicator Solution	4170WT-G
60 mL	Peroxide Titrant	7139-H
60 mL	*Acidified Catalyst	*7140-H
1	Test Tube, 5-10-15-20-25 mL, plastic, w/cap	0715
1	Spoon, 0.1g, plastic	0699

*WARNING: Reagents marked with an * are considered to be potential health hazards. To view or print a Safety Data Sheet (SDS) for these reagents go to www.lamotte.com. Search for the four digit reagent code number listed on the reagent label, in the contents list or in the test procedures. Omit any letter that follows or precedes the four digit code number. For example, if the code is 4450WT-H, search 4450. To obtain a printed copy, contact LaMotte by email, phone or fax.

Emergency information for all LaMotte reagents is available from Chem-Tel: (US, 1-800-255-3924) (International, call collect, 813-248-0585).

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

PROCEDURE

1. Rinse and fill the test tube (0715) to 25 mL line with sample solution.
2. Add 10 drops of *Acidified Catalyst (7140). Swirl to mix.
3. Use the 0.1g spoon to add one level spoonful of Potassium Iodide Crystals (6809). Swirl until crystals dissolve. Solution will turn a yellow to brown color if hydrogen peroxide is present.
4. Add 5 drops of Starch Indicator Solution (4170WT). Swirl to mix. Solution will turn light to dark blue.
5. While gently swirling the tube, add Peroxide Titrant (7139) one drop at a time, until blue color disappears. Count the number of drops added. Hold bottle vertically.
6. Multiply the number of drops used in Step 5 by 5. Record as ppm Hydrogen Peroxide (H₂O₂).

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