Hydrogen Peroxide (LR) Test Kit

1 drop = 5 or 25 ppm as H_2O_2 / 2 or 10 mL

TK3345-Z

green caps

KIT COMPONENTS:

CE3075-A	Ceric Sulfate, 30 mL
FE3144-A	Ferroin Indicator, 30 mL
SY-2012-P	Syringe, 12 mL
VL-1005-V	Vial, 10-50 mL

SAFETY TIPS: Wear Gloves · Use Eye Protection · Read SDS

TESTING TIPS: Collect Accurate Sample · Hold Bottles Vertically · Ensure Proper Lighting

INTERFERENCES: This method is affected by any oxidizable substances in the sample such as organic matter, Sulfides, Hydrogen Sulfide, and mercaptans. If present, these substances will interfere by reacting with the titrant, yielding an erroneously high Hydrogen Peroxide concentration. Iron and Lead ions can cause precipitation. Cupric and Ferrous ions cause low results.

ATTENTION: As necessary, calibrate this kit against a known standard made with plant / make-up water. Be sure to collect a representative sample.

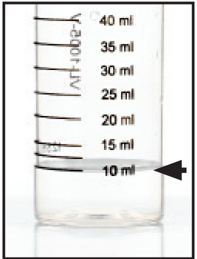
Video Procedure

EndPoint ID® Test Procedure

Hydrogen Peroxide (LR) Test Kit TK3345-Z

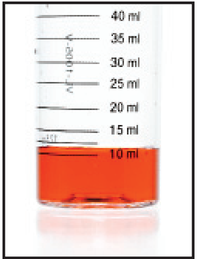
1 Rinse vial three times with sample to be tested. Select sample size for drop equivalency:

1 drop = 25 ppm   2 mL sample
1 drop = 5 ppm   10 mL sample



STEP 1

2 **Add 8 drops of Ferroin Indicator** (FE3144) and swirl to mix. The sample should turn orange.

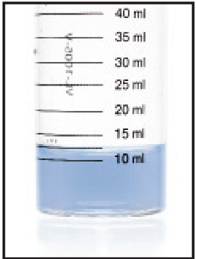


STEP 2

3 **Add Ceric Sulfate 0.0791N** (CE3075) one drop at a time while swirling. Count the number of drops until the sample color changes from orange to blue – blue / green. Multiply the number of drops by chosen equivalence factor.

2 mL sample
drops x 25 = ppm as H_2O_2

10 mL sample
drops x 5 = ppm as H_2O_2



STEP 3