

Phosphonate (OP) Test Kit

Direct reading with syringe titrator

TK0158-Z
purple caps

KIT COMPONENTS:

AD1596-DB	OP Titrant #2, 60 mL
AD1582-100	OP Tablets, 100 pack
0378	Titrator, Direct Reading
PT502	Tablet Crusher
VL-0525-V	Vial, 5-25 mL

SAFETY TIPS:



Wear
Gloves



Use Eye
Protection



Read
SDS

TESTING TIPS:



Collect
Accurate
Sample



Hold
Bottles
Vertically

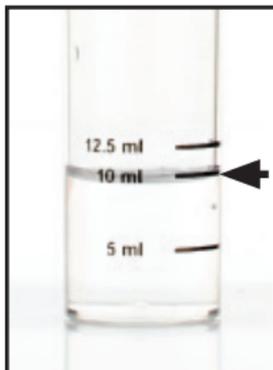


Ensure
Proper
Lighting

INTERFERENCES: As little as 0.5 ppm Fluoride and 1 ppm Orthophosphate will cause interference. Even low concentrations of Iron and Sulfate will cause interference. Highly alkaline samples may resist buffering. To handle high alkalinity follow the note in Step 2.

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

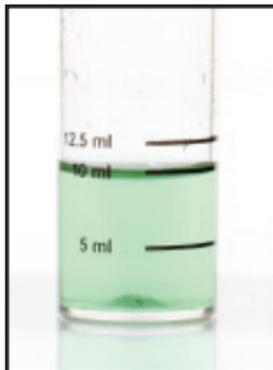
1 Rinse vial three times with sample to be tested. **Fill vial to 10 mL.**



STEP 1

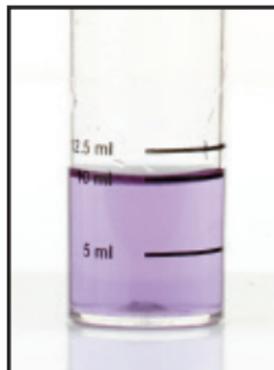
2 Add 1 OP Tablet (AD1582) crush and swirl to mix. A green color will develop.

For high alkalinity samples, 2-3 tablets may be necessary to properly buffer the sample.



STEP 2

3 Fill the syringe titrator with the OP Titrant (AD1596) to the zero line. Ensure that there are no air bubbles trapped in the titrator.

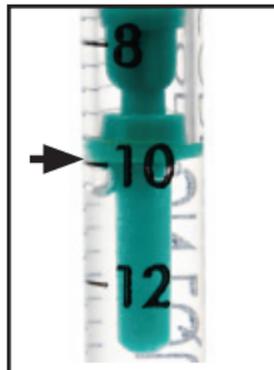


STEP 4

4 Add drops OP Titrant (AD1596) with the syringe titrator while swirling. Continue adding titrant until the sample color changes from green to purple. **Read the titrator.** A gray intermediate color may develop. Keep titrating to the purple endpoint.

Reading on titrator = ppm as OP*

**For best accuracy, run a blank on the make-up water and subtract the number of drops from the final test results.*



READ TITRATOR