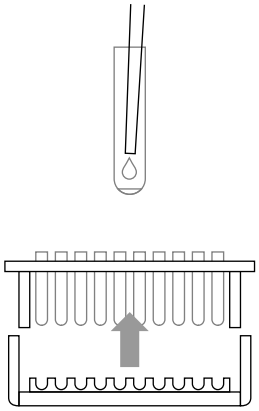
PBDE DETAILED FLOWCHART

1.



Remove upper rack from magnetic base. Label test tubes for Standards, Control, and Samples.

Tube #	Content
1, 2	Diluent/Zero Standard 0 ppb
3, 4	Standard 1 0.025 ppb
5, 6	Standard 2 0.05 ppb
7, 8	Standard 3 0.10 ppb
9,10	Standard 4 0.50 ppb
11,12	Standard 5 1.0 ppb
13	Control
14	Sample 1
15	Sample 2

Add 250 µL of either Standards, Control or Samples to the bottom of each test tube by inserting the pipet tip all the way into the tube without touching the sides or the bottom of the tube.

2.

Add 500 µL of thoroughly mixed PBDE Antibody Coupled Magnetic Particles down the inside wall of each tube by using the technique described in Box 2. *Vortex* for 1 to 2 seconds (at low speed to minimize foaming).

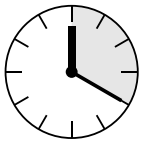
3.

Incubate for 20 minutes at room temperature (15 °-30°C).

4.

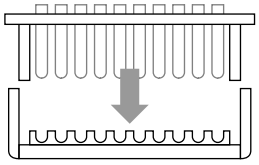
Add 250 µL of PBDE Enzyme Conjugate down the inside wall of each tube by aiming the pipet tip 1/4" to 1/2" below the tube rim without touching the rim or tube wall with the pipet tip; deliver liquid gently.

5.



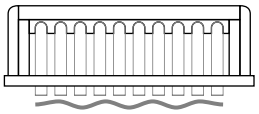
Incubate for 20 minutes at room temperature (15 °-30°C).

6.



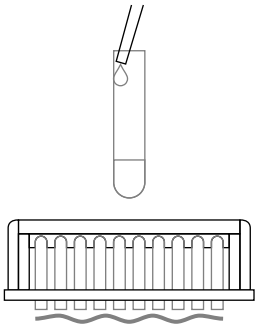
Combine the upper rack with the magnetic base; press all tubes into base; allow 2 minutes for the particles to separate.

7.



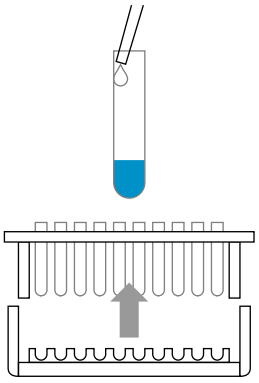
Do not separate upper rack from lower base. Using a smooth motion, *invert* the combined rack assembly over a sink and pour out the tube contents; keep inverted and gently blot the test tube rims on several layers of paper toweling.

8.



Add 1 mL of Washing Solution down the inside wall of each tube by using the technique described in Box 2. *Wait 2 minutes.* Using a smooth motion, invert the combined rack assembly over a sink and pour out the tube contents: keep inverted and gently blot the test tube rims on several layers of paper toweling. Repeat this step.

9.

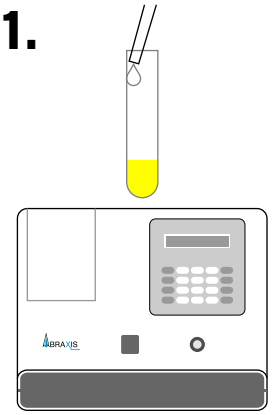


Lift the upper rack (with its tubes) off the magnetic base; *add* 500 µL of Color Reagent down the inside wall of each tube by using the technique described in Box 2. *Vortex* for 1 to 2 seconds (at low speed to minimize foaming).

10.

React for 20 minutes at room temperature (15°-30° C). During this period, add 1 mL of Washing Solution into a clean tube for use as an instrument blank in Step 10.

11.



Add 500 µL of Stopping Solution down the inside wall of each tube by using the technique previously described. *Read* results at 450 nm within 15 minutes after adding the Stopping Solution. *Multiply* results of extracted soil samples by the appropriate factor.

[**Safety Caution:** Stopping Solution contains 0.5% sulfuric acid.]

For Ordering or Technical Assistance Contact:
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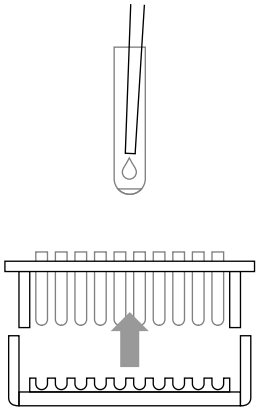
PBDE CONCISE FLOWCHART

1.



Separate the rack.

Add 250 µL of either Standards, Control or Samples to the bottom of each test tube.

2.

Mix the PBDE Antibody Coupled Paramagnetic Particles thoroughly and add 500 µl to each tube.

Vortex for 1 to 2 seconds minimizing foaming.

3.

Incubate for 20 minutes at room temperature.

4.

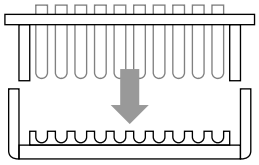
Add 250 µL of PBDE Enzyme Conjugate to each test tube.

Vortex.

5.

Incubate for 20 minutes at room temperature.

6.

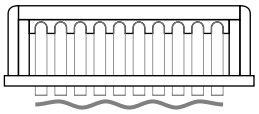


Combine the rack and magnetic base.

Seat all tubes.

Wait 2 minutes.

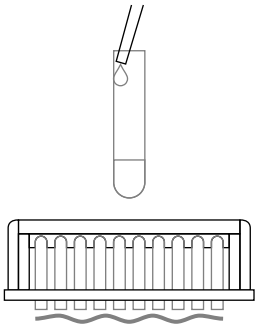
7.



Invert the combined rack.

Blot.

8.



Add 1 mL of Washing Solution.

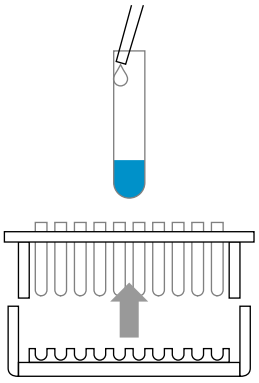
Wait 2 minutes.

Invert the combined rack.

Blot.

Repeat this step.

9.



Separate the rack.

Add 500 µL of Color Reagent to each test tube.

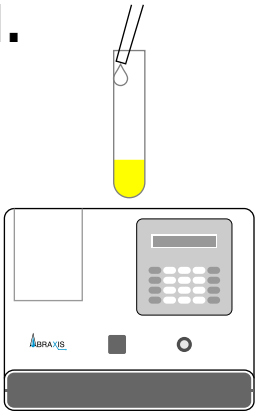
Vortex.

10.

Incubate for 20 minutes.

Prepare blank.

11.



Add 500 µL of Stopping Solution to each test tube.

Read OD 450

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