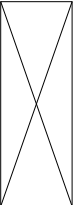


<p><b>1</b></p> <p>Remove upper rack from magnetic base.</p> <p>Label test tubes for Standards, Control, and Samples.</p> <p><b>Tube # Content</b></p> <p>1, 2 Diluent/Zero Standard 0 ppb</p> <p>3, 4 Standard 1 0.22 ppb</p> <p>5, 6 Standard 2 1.0 ppb</p> <p>7, 8 Standard 3 3.0 ppb</p> <p>9 Control</p> <p>10 Sample 1</p> <p>11 Sample 2</p> <p>Add 250 µL of either Standards, Control or Samples to the <b>bottom</b> 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.</p>	<p><b>3</b></p> <p>Add 500 µL of <b>thoroughly</b> mixed Chlorpyrifos Antibody Coupled Magnetic Particles down the inside wall of each tube by using the technique described in Box 2. <b>Vortex</b> for 1 to 2 seconds (at low speed to minimize foaming).</p>	<p><b>7</b></p> <p>Add 1 mL of Washing Solution down the inside wall of each tube by using the technique described in Box 2. <b>Wait 2 minutes.</b> Using a smooth motion, invert the combined rack assembly over a sink and pour out the tube contents: keep inverted and <b>gently</b> blot the test tube rims on several layers of paper toweling. <b>Repeat this step.</b></p>
<p><b>2</b></p> <p>Add 250 µL of Chlorpyrifos Enzyme Conjugate down the inside wall of each tube by aiming the pipet tip <sup>1</sup>/<sub>4</sub>" to <sup>1</sup>/<sub>2</sub>" below the tube rim without touching the rim or tube wall with the pipet tip; deliver liquid gently.</p>	<p><b>4</b></p> <p>React 15 minutes at room temperature (15°-30° C).</p>	<p><b>8</b></p> <p>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. <b>Vortex</b> for 1 to 2 seconds (at low speed to minimize foaming).</p>
	<p><b>5</b></p> <p>Combine the upper rack with the magnetic base; <b>press all tubes into base</b>; allow 2 minutes for the particles to separate.</p>	<p><b>9</b></p> <p>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.</p>
	<p><b>6</b></p> <p>Do <b>not</b> separate upper rack from lower base. Using a smooth motion, <b>invert</b> the combined rack assembly over a sink and pour out the tube contents: keep inverted and <b>gently</b> blot the test tube rims on several layers of paper toweling.</p>	<p><b>10</b></p> <p>Add 500 µL of Stopping Solution down the inside wall of each tube by using the technique previously described. <b>Read</b> results at 450 nm within 15 minutes after adding the Stopping Solution. <b>Multiply</b> results of extracted soil samples by the appropriate factor. [<b>Safety Caution:</b> Stopping Solution contains 0.5% sulfuric acid.]</p>

For Ordering or Technical Assistance Contact:  
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**Chlorpyrifos Rapid Assay Kits**  
**100 Tests # A00143**  
**Sample Diluent # A00145**

<p>1</p> <p>Separate the rack.</p> <p><b>Add 250 <math>\mu</math>L of Standards, Control or Samples</b> to the bottom of each tube.</p>	<p>3</p> <p><b>Add 500 <math>\mu</math>L of mixed Magnetic Particles</b> to each tube.</p> <p><b>Vortex.</b></p>	<p>7</p> <p><b>Add 1 mL of Washing Solution.</b></p> <p>Wait 2 minutes.</p> <p>Invert the combined rack.</p> <p><b>Blot.</b></p> <p>Repeat this step.</p>
<p>2</p>  <p><b>Add 250 <math>\mu</math>L of Enzyme Conjugate</b> to each tube.</p>	<p>4</p> <p><b>React for 15 minutes.</b></p>	<p>8</p> <p><b>Separate the rack.</b></p> <p><b>Add 500 <math>\mu</math>L of Color Reagent</b> to each tube.</p> <p><b>Vortex.</b></p>
<p>5</p> <p><b>Combine the rack and magnetic base.</b></p> <p><b>Seat all tubes.</b></p> <p><b>Wait two minutes.</b></p>	<p>9</p> <p><b>React for 20 minutes.</b></p> <p>Prepare blank.</p>	<p>6</p> <p><b>Invert the combined rack.</b></p> <p><b>Blot.</b></p>
<p>10</p> <p><b>Add 500 <math>\mu</math>L of Stopping Solution</b> to each tube.</p> <p><b>Read OD 450.</b></p>		

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