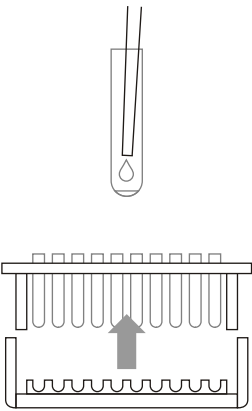
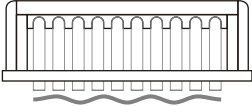

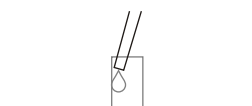

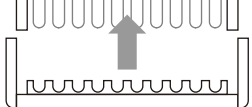


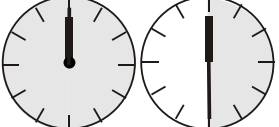
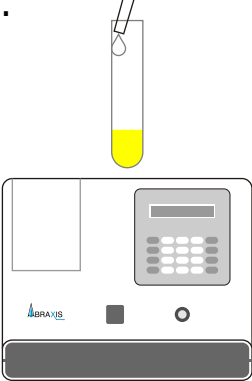
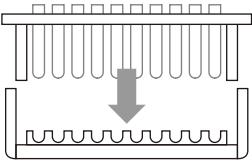


# 17B-ESTRADIOL DETAILED FLOWCHART


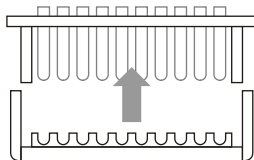
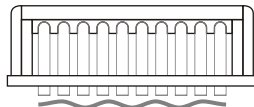


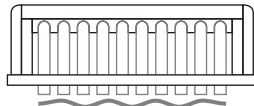


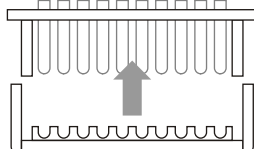


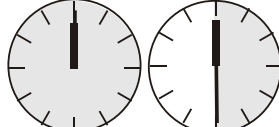

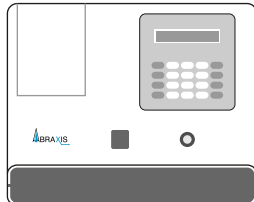
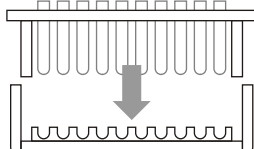
<p>1.</p> 	<p>Remove upper rack from magnetic base. Label test tubes for Standards, Control, and Samples.</p> <table border="1"> <thead> <tr> <th>Tube #</th> <th>Content</th> </tr> </thead> <tbody> <tr> <td>1, 2</td> <td>Diluent/Zero Standard 0 ppb</td> </tr> <tr> <td>3, 4</td> <td>Standard 1, 2.5 ppb</td> </tr> <tr> <td>5, 6</td> <td>Standard 2, 7.5 ppb</td> </tr> <tr> <td>7, 8</td> <td>Standard 3, 25.0 ppb</td> </tr> <tr> <td>9,10</td> <td>Control</td> </tr> <tr> <td>11,12</td> <td>Sample 1</td> </tr> <tr> <td>13,14</td> <td>Sample 2</td> </tr> <tr> <td>14,15</td> <td>Sample 3</td> </tr> </tbody> </table> <p>Add 250 <math>\mu</math>L of either Standards, Control or Samples to the bottom of each test tube by inserting the pipette tip all the way into the bottom of the tube without touching the sides of the tube.</p>	Tube #	Content	1, 2	Diluent/Zero Standard 0 ppb	3, 4	Standard 1, 2.5 ppb	5, 6	Standard 2, 7.5 ppb	7, 8	Standard 3, 25.0 ppb	9,10	Control	11,12	Sample 1	13,14	Sample 2	14,15	Sample 3	<p>7.</p>  <p><b>Do 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 Blot</b> the test tube rims on several layers of paper toweling.</p>
Tube #	Content																			
1, 2	Diluent/Zero Standard 0 ppb																			
3, 4	Standard 1, 2.5 ppb																			
5, 6	Standard 2, 7.5 ppb																			
7, 8	Standard 3, 25.0 ppb																			
9,10	Control																			
11,12	Sample 1																			
13,14	Sample 2																			
14,15	Sample 3																			
<p>2.</p> 	<p>Add 500 <math>\mu</math>L of thoroughly mixed Estradiol Antibody Coupled Magnetic Particles down the inside wall of each tube by aiming the pipet tip 1/4" to 1/4" below the tube rim without touching the rim or tube wall with the pipet tip; deliver liquid Gently. Vortex for 1 to 2 seconds (at low speed to minimize foaming).</p>	<p>8.</p>  <p>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 <b>gently blot</b> the test tube rims on several layers of paper toweling. Repeat this step.</p>																		
<p>3.</p> 	<p>React 30 minutes at room temperature ( 15 ° - 30°C).</p>	<p>9.</p>  <p>Lift the upper rack (with its tubes) off the magnetic base; add 500 <math>\mu</math>L 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).</p>																		
<p>4.</p> 	<p>Add 250 <math>\mu</math>L of Estradiol Enzyme Conjugate down the inside wall of each tube by using the technique described in Box 2.</p>	<p>10.</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>5.</p> 	<p>React 90 minutes at room temperature ( 15 ° - 30°C)</p>	<p>11.</p>  <p>Add 500 <math>\mu</math>L 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 samples by the appropriate dilution factor (if any).</p> <p><b>[Safety Caution:</b> Stopping Solution contains diluted sulfuric acid.]</p>																		
<p>6.</p> 	<p>Combine the upper rack with the magnetic base; press all tubes into base; allow 2 minutes for the particles to separate.</p>																			

For Ordering or Technical Assistance Contact:  
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17B-Estradiol Magnetic Particle Kit Part # 580002, 100 Test



# 17B-ESTRADIOL CONCISE FLOWCHART

<p>1.</p>  <p>Separate the rack.</p> <p>Add 250 <math>\mu</math>L of either Standards, Control or Samples to the bottom of each test tube.</p> 	<p>7.</p>  <p>Invert the combined rack.</p> <p>Blot <b>gently</b>.</p>
<p>2.</p>  <p>Add 500 <math>\mu</math>L of Estradiol Antibody Coupled Magnetic Particles to each test tube.</p>	<p>8.</p>  <p>Add 1 mL of Washing Solution.</p> <p>Wait 2 minutes.</p> <p>Invert the combined rack.</p> <p>Blot <b>gently</b>.</p> <p>Repeat this step.</p> 
<p>3.</p>  <p>React 30 minutes at room temperature ( 15 °- 30°C).</p>	<p>9.</p>  <p>Separate the rack.</p> <p>Add 500 <math>\mu</math>L of Color Reagent to each test tube.</p> <p>Vortex.</p> 
<p>4.</p>  <p>Add 250 <math>\mu</math>L of mixedEstradiol Enzyme Conjugate to each test tube.</p> <p>Vortex.</p>	<p>10.</p>  <p>Incubate for 20 minutes.</p> <p>Prepare blank.</p>
<p>5.</p>  <p>Incubate for 90 minutes.</p>	<p>11.</p>  <p>Add 500 <math>\mu</math>L of Stopping Solution to each test tube.</p> <p>Read OD 450</p> 
<p>6.</p>  <p>Combine the rack and magnetic base.</p> <p>Seat all tubes.</p> <p>Wait 2 minutes.</p>	

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