


# ENDOTHALL 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 7 ppb
5, 6	Standard 2 30 ppb
7, 8	Standard 3 150 ppb
9	Control
10	Sample 1
11	Sample 2

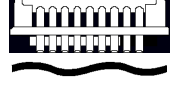
Add 250  $\mu$ L of either Standards, Control or Samples to the bottom of each test tube by inserting the pipet tip all the way into the tube without touching the sides or the bottom of the tube.



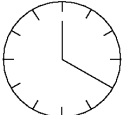
**3** Add 500  $\mu$ L of thoroughly mixed Endothall Antibody Coupled Magnetic Particles down the inside wall of each tube by using the technique described in Box 2. Vortex for 1 to 2 seconds (at low speed to minimize foaming).



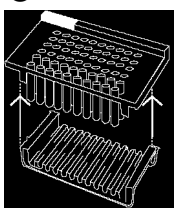
**7** Add 1 mL of Washing Solution down the inside wall of each tube by using the technique described in Box 2. Vortex each tube. Wait 2 minutes. Using a smooth motion, invert the combined rack assembly over a sink and pour out the tube contents: keep inverted and gently blot the test tube rims on several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



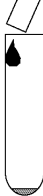
**4** React 20 minutes at room temperature (15°-30°C).



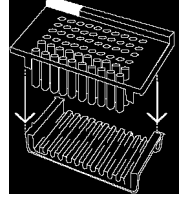
**8** Lift the upper rack (with its tubes) off the magnetic base; add 500  $\mu$ L of Color Reagent down the inside wall of each tube by using the technique described in Box 2. Vortex for 1 to 2 seconds (at low speed to minimize foaming).



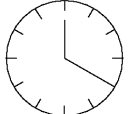
**2** Add 250  $\mu$ L of Endothall Enzyme Conjugate down the inside wall of each tube by aiming the pipet tip 1/4" to 1/2" below the tube rim without touching the rim or tube wall with the pipet tip; deliver liquid gently.



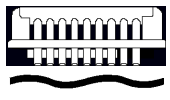
**5** Combine the upper rack with the magnetic base; press all tubes into base; allow 2 minutes for the particles to separate.




**9** 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.



**6** 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.



**10** Add 500  $\mu$ 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 extracted soil samples by the appropriate factor.  
[Safety Caution: Stopping Solution contains 0.5% sulfuric acid.]




For Ordering or Technical Assistance Contact:  
Strategic Diagnostics Inc.  
800 544-8881 302 456 6789  
302 456 6782 Fax

Endothall Rapid Assay Kit  
100 Tests 7007000#  
Sample Diluent 7007001#

# ENDOTHALL CONCISE FLOWCHART

**1**

**Separate the rack.**



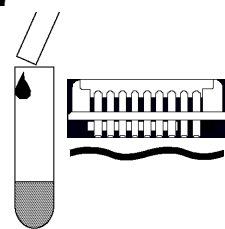
Add 250  $\mu$ L of Standards, Control or Samples to the bottom of each tube.

**3**



Add 500  $\mu$ L of mixed Magnetic Particles to each tube. Vortex.

**7**



Add 1 mL of Washing Solution & Vortex.

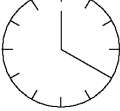
Wait 2 minutes.

Invert the combined rack.

Blot.

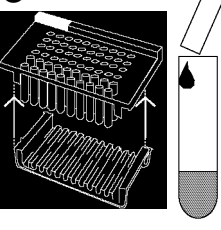
Repeat this step.

**4**



React for 20 minutes.

**8**

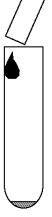


**Separate the rack.**

Add 500  $\mu$ L of Color Reagent to each tube.

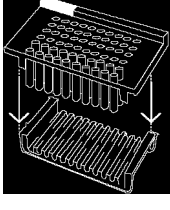
Vortex.

**2**




Add 250  $\mu$ L of Enzyme Conjugate to each tube.

**5**



Combine the rack and magnetic base. Seat all tubes. Wait two minutes.

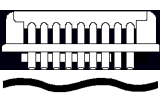
**9**



React for 20 minutes.

**Prepare blank.**

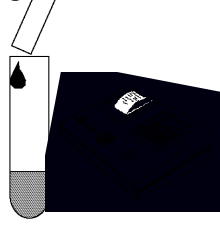
**6**



Invert the combined rack.

Blot.

**10**



Add 500  $\mu$ L of Stopping Solution to each tube.

Read OD 450.

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 Strategic Diagnostics Inc.  
 800 544-8881 302 456-6789  
 302 456-6782 Fax

Endothall Rapid Assay Kits  
 100 Tests 7007000#  
 Sample Diluent 7007001#