# Sample Preparation

## Serum

1. Use the appropriate tube.
2. Use the appropriate sample collection device.
3. Draw the sample gently. Transfer if necessary.*
4. Let the sample clot for a minimum of 20 minutes. Proceed to step 5.
5. Lower the pipette tip into an empty sample tube. Press and release the button on top of the pipettor. Keep the pipette tip in the sample tube until the analyzer beeps 3 times.
6. Transfer the appropriate volume of sample to a Catalyst™ sample cup.

## Plasma

1. Use the appropriate tube.
2. Use the appropriate sample collection device.
3. Draw the sample gently. Transfer if necessary.*
4. Gently invert the sample for 30 seconds to thoroughly mix it. Do not shake.
5. Lower the pipette containing 300 µL of conjugate into the sample tube. Depress the button on top of the pipettor to dispense the conjugate.
6. Centrifuge the samples for at least 120 seconds at a minimum of 12,000 RCF. Refer to your centrifuge operator’s manual for centrifugation settings and times.
7. Depress the button on top of the pipettor. Lower it into the conjugate solution. Slowly release the button to draw up 300 µL of conjugate.
8. Close the sample tube and gently invert it 4 to 5 times. Place it in the SNAP Reader incubator. Press **1** to begin the VetTest five-minute timer.
9. At the completion of the five-minute incubation, remove the sample tube and pour the entire contents into the SNAP sample well.
10. When the sample first appears in the activation circle, push firmly on the activator button until it is flush with the device body.
11. Immediately insert the SNAP device into the SNAP Reader. The rest of the testing process occurs automatically.

## Running a Test

1. Select NEW SAMPLE on the VetTest® main menu and follow the screen prompts to enter patient information. Select “YES” when prompted to run a SNAP® test.
2. Place the tip securely on the pipettor.
3. Keep the pipettor vertical. Before pressing the button, place the tip in the center of the sample. Press and release the pipettor button. The pipettor will automatically draw enough sample to perform a SNAP test.
4. At 2 beeps, remove the pipettor from the sample.
5. Lower the pipettor tip into an empty sample tube. Press and release the button on top of the pipettor. Keep the pipette tip in the sample tube until the analyzer beeps 3 times.
6. Fit a new disposable pipette tip over the 300-µL manual pipettor.
7. Depress the button on top of the pipettor. Lower it into the conjugate solution. Slowly release the button to draw up 300 µL of conjugate.
8. Lower the pipette containing 300 µL of conjugate into the sample tube. Depress the button on top of the pipettor to dispense the conjugate.
9. Close the sample tube and gently invert it 4 to 5 times. Place it in the SNAP Reader incubator. Press **1** to begin the VetTest five-minute timer.
10. At the completion of the five-minute incubation, remove the sample tube and pour the entire contents into the SNAP sample well.
11. When the sample first appears in the activation circle, push firmly on the activator button until it is flush with the device body.
12. Immediately insert the SNAP device into the SNAP Reader. The rest of the testing process occurs automatically.

## SNAP Test Sample Specifications

<table>
<thead>
<tr>
<th>SNAP Test</th>
<th>Sample Type</th>
<th>Sample Volume</th>
<th>Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>T₄</td>
<td>Plasma or Serum</td>
<td>50–100 µL</td>
<td>Canine, Feline or Equine</td>
</tr>
<tr>
<td>Cortisol</td>
<td>Serum</td>
<td>25–100 µL</td>
<td>Canine</td>
</tr>
<tr>
<td>Bile Acids</td>
<td>Serum</td>
<td>100 µL</td>
<td>Canine or Feline</td>
</tr>
</tbody>
</table>

* When using an evacuated tube, such as a Vacutainer® tube, allow the sample to draw naturally into the tube by vacuum.

† Lithium heparin-based plasma.

* When using an evacuated tube, such as a Vacutainer® tube, allow the sample to draw naturally into the tube by vacuum.

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Please refer to the test kit insert or the IDEXX SNAP® Reader Operator’s Guide for complete instructions.

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U.S./Canada/Latin America: 1-800-248-2483
Europe: 00800 1234 3399

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IDEXX SNAP® Reader
Sample Preparation and Testing