**Reference Values**

### Progesterone

<table>
<thead>
<tr>
<th>Species</th>
<th>Reproductive Status</th>
<th>Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canine</td>
<td>Bitch, anestrus, or spayed</td>
<td>&lt; 1.0 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Bitch, diestrus day 15</td>
<td>10-50 ng/ml</td>
</tr>
<tr>
<td>Feline</td>
<td>Queen, anestrus, or spayed</td>
<td>&lt; 1.0 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Queen, diestrus day 15</td>
<td>10-40 ng/ml</td>
</tr>
<tr>
<td>Equine</td>
<td>Mare, anestrus</td>
<td>&lt; 2.0 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Mare, pregnant days 60-120</td>
<td>5-20 ng/ml</td>
</tr>
<tr>
<td>Llama</td>
<td>Female, pregnant day 20</td>
<td>&gt; 2.0 ng/ml*</td>
</tr>
</tbody>
</table>

*1.0 ng/ml = 85% possibility of pregnancy

### Testosterone

<table>
<thead>
<tr>
<th>Species</th>
<th>Reproductive Status</th>
<th>Baseline</th>
<th>Post hCG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canine</td>
<td>Dog, intact</td>
<td>0.5-9.0 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Dog, neutered</td>
<td>&lt; 0.2 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Bitch, anestrus</td>
<td>&lt; 0.2 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td>Feline</td>
<td>Tom, intact</td>
<td>1.0-6.0 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Tom, neutered</td>
<td>&lt; 0.5 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td>Queen</td>
<td>&lt; 0.2 ng/ml</td>
<td>N/A</td>
</tr>
<tr>
<td>Equine</td>
<td>Gelding</td>
<td>&lt; 0.1 ng/ml</td>
<td>30, 60, 120 min. &lt; 0.1 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Cryptorchid</td>
<td>&gt; 0.1 ng/ml</td>
<td>&gt; 0.1 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Stallion</td>
<td>&gt; 0.5 ng/ml</td>
<td>30, 60, 120 min. &gt; 1.0 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Mare</td>
<td>&lt; 0.1 ng/ml</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Luteinizing Hormone

<table>
<thead>
<tr>
<th>Species</th>
<th>Reproductive Status</th>
<th>Baseline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canine</td>
<td>Bitch, intact</td>
<td>0.3-2.0 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Bitch, spayed</td>
<td>2.9-54.5 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Dog, intact</td>
<td>0.8-11.2 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Dog, neutered</td>
<td>7.2-27.0 ng/ml</td>
</tr>
<tr>
<td>Feline</td>
<td>Queen, intact (anestrus or unmated estrus)</td>
<td>0.2-1.8 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Queen, spayed</td>
<td>3.5-9.3 ng/ml</td>
</tr>
<tr>
<td></td>
<td>Tom, neutered</td>
<td>3.0-10.0 ng/ml</td>
</tr>
</tbody>
</table>