## LH



| Alternate Name: | Luteinizing Hormone |
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| Performing Lab: | New Hanover |
| Specimen Container: | Yellow serum separator tube, green <br> top tube (lithium heparin), or a red top <br> tube. |
| Minimum Volume Required: | 1.0 mL <br> Testing Availability <br> Routine: <br>  <br> Surnaround Time: <br> Stat: |
| Yes |  |
| Speciars/day |  |

Reference Range:
Normally menstruating females:

Follicular phase
$1.9-12.8 \mathrm{mlU} / \mathrm{mL}$
Midcycle peak
Luteal phase
Post-menopausal on MHT:
Post-menopausal not on MHT:
$8.6-61.8 \mathrm{mlU} / \mathrm{mL}$

Males:
$1.2-10.6 \mathrm{mlU} / \mathrm{mL}$

| Critical Value: | None |
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| CPT Code: | 83002 |
| Testing Methodology: | Homogeneous, sandwich <br> chemiluminescent immunoassay <br> based on LOCI technology. |
| Causes for Specimen Rejection: | Improper labeling |
| Other Comments: | LH is also known as interstitial cell <br> stimulating hormone (ICSH) in males. <br> In both males and females, LH |
| Clinical Significance: | secretion is required for normal sexual <br> function and is regulated by the <br> interplay of positive and negative <br> feedback mechanisms involving <br> hormone secretions of the anterior <br> pituitary, hypothalamus, and gonads. |
|  | LH secretion occurs in pulses with <br> rapid, wide fluctuations. For that <br> reason, samples obtained from the |
| same patient within a single day can |  |
| vary widely. |  |

