

MEMORANDUM

TO: All Physicians

FROM: Katalin Banki, M.D., Director of Core Laboratory
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DATE: November 4, 2016

RE: **Progesterone Assay**

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The Core Laboratory at the Downtown Campus announces an improved progesterone assay, starting December 1, 2016.

Changes:

- ✓ Lower normal range in populations where the progesterone levels are generally low, due to less cross-reactivity with other steroid hormones/metabolites.
- ✓ Ovulation phase reference ranges are changing significantly, as the new ranges have been established between 12-16 days, an earlier time of the cycle than in the old assay.
- ✓ Traceable to ID-GC/MS reference methods.

Method: Electrochemiluminescence immunoassay (ECLIA), by Roche Diagnostics

Normal Ranges:	New (ng/mL)	Old (ng/mL)
Male	<0.149	0.2-1.4
Female (phase)		
Follicular	0.057-0.893	0.2-1.5
Ovulation	0.121-12.0	0.8-3.0
Luteal	1.83-23.9	1.7-27.0
Post-menopause	<0.126	0.1-0.8
1 st trimester	11.0-44.3	
2 nd trimester	25.4-83.3	
3 rd trimester	58.7-214	