



# LAB UPDATE

## MACTL VINCENT INDIANAPOLIS & WOMENS HOSPITALS

### NEW CHEMISTRY ANALYZER

**EFFECTIVE DATE: APRIL 30, 2019**

As individual sites transition to their new instrumentation there will be noticeable changes to both reportable ranges and reference intervals. As part of this implementation, MACL was able to review all processes and procedures to ensure they are in line with regulatory guidelines and standards of care.

Due to the change in instrumentation and change in methodology, some assays are more affected than others. The following are noted to have clinically significant shifts in result values and attention to reference intervals will be important.

	OLD MALE		NEW MALE		OLD FEMALE		NEW FEMALE	
	AGE	NORMAL	AGE	NORMAL	AGE	NORMAL	AGE	NORMAL
<b>ALB</b>	15	3.5-5.5	18	3.5-5.0	15	3.5-5.5	18	3.5-5.0
<b>ALT</b>	19	11-58	18	<50	19	9-52	18	<35
<b>ALKP</b>	19	38-126	18	38-126	19	38-126	18	38-126
<b>AMM</b>	1	11-72	18	9-30	1	11-72	18	9-30
<b>CK</b>	19	20-259	18	55-170	19	20-225	18	30-135
<b>CKMB</b>	0	0.1-6.6	0	<2.4	0	0.1-6.6	0	<2.4
<b>CSF TP</b>	0	15-45	3M	<60	0	15-45	3M	<60
<b>GGT</b>	0	12-64	18	15-73	0	12-64	18	12-43
<b>LIPA</b>	0	8-78	18	23 - 300	0	8-78	18	23-300
<b>LDH</b>	19	125-243	18	313-618	19	125-243	18	313-618
<b>BHCG</b>	OLD Pregnancy Ranges				NEW Pregnancy Ranges			
	2-4 weeks		39.1-8388		1-10 weeks		45-256740	
	5-6 weeks		861-88769		11-15 weeks		11556-265380	
	6-8 weeks		8636-218085		16-22 weeks		7481-111954	
	8-10 weeks		18700-244467		23-40 weeks		1531-101566	
	10-12 weeks		23143-181899					
	13-27 weeks		6303-97171					
	28-42 weeks		4360-74883					
	premenopausal		<5		premenopausal		<5	
	postmenopausal		<10		postmenopausal		<7	

For specific details and comparison charts on how ranges and values are changing for your Hospital Location, please visit our website or follow the link below: <https://www.maclonline.com/lab-updates/>

If you have any questions, please contact:

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