



LAB UPDATE

St. Vincent Anderson Hospital

NEW CHEMISTRY ANALYZER

EFFECTIVE DATE: OCTOBER 21, 2019

For individual sites transitioning to their new instrumentation there will be changes to both reportable ranges and reference intervals. As part of this implementation, MACL was also 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 a large 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
ALB	15	3.5-5.5	18	3.5-5.0	15	3.5-5.5	18	3.5-5.0
ALT	19	11-58	18	<50	19	9-52	18	<35
ALKP	19	38-126	18	38-126	19	38-126	18	38-126
AMM	1	11-72	18	9-30	1	11-72	18	9-30
CK	19	20-259	18	55-170	19	20-225	18	30-135
CKMB	0	0.1-6.6	0	<2.4	0	0.1-6.6	0	<2.4
CSF TP	0	15-45	3M	<60	0	15-45	3M	<60
GGT	0	12-64	18	15-73	0	12-64	18	12-43
LIPA	0	8-78	18	23 - 300	0	8-78	18	23-300
LDH	19	125-243	18	313-618	19	125-243	18	313-618
BHCG	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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