



LAB UPDATE

St. Vincent Carmel Hospital NEW CHEMISTRY ANALYZER

EFFECTIVE DATE: DECEMBER 3, 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 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
ALT	0	7-52	18	<50	0	7-52	18	<35
ALKP	19	34-104	18	38-126	19	34-104	18	38-126
AST	0	13-39	18	17-59	0	13-39	18	17-59
CK	0	30-223	18	55-170	0	30-223	18	30-135
CRP	0	0.0-0.5	18	<10.0	0	0.0-0.5	18	<10.0
CSF TP	0	15-45	3M	<60	0	15-45	3M	<60
LIPA	0	11-82	18	23 - 300	0	11-82	18	23-300
SALI	0	<6.0	0	<20.0	0	<6.0	0	<20.0
URIC	0	4.4-7.6	18	3.5-8.5	0	2.3-6.6	18	3.5-8.5
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:

Jenny Diruzza, Interim Laboratory Manager, St. Vincent Carmel Hospital – (317) 803-0702

Dianne Griffith, Director, Laboratory Operations, Mid America Clinical Laboratories – (317) 803-0460

Ryan McCarthy, M.D., Medical Director, St. Vincent Carmel Hospital – (317) 803-0440