

## 2019 Chemistry Analyzer Reference Interval Changes - St. Vincent Kokomo

**Effective Date: March 19, 2019**

Old Method - Beckman AU680 / Abbott Architect i1000

New Method - Ortho Vitros 350/5600

TEST NAME	UNITS	OLD MALE		NEW MALE		OLD FEMALE		NEW FEMALE	
		AGE	NORMAL	AGE	NORMAL	AGE	NORMAL	AGE	NORMAL
Acetaminophen	ug/mL	0	<10	0	10-30	0	<10	0	10-30
Albumin	g/dL	0	3.5-5.7	18	3.5-5.0	0	3.5-5.7	18	3.5-5.0
				15	4.2-5.3			15	4.1-5.1
				8	4.2-5.0			8	4.2-5.0
				1	3.6-4.9			1	3.9-4.9
				2W	3.6-4.9			2W	2.9-4.9
				0	3.4-4.7			0	3.4-4.7
Alkaline Phosphatase	U/L	19	34-104	18	38-126	19	34-104	18	38-126
		17	49-141	16	65-260	17	40-83	16	50-130
		15	75-312	14	130-525	15	45-111	14	70-230
		13	107-442	12	200-495	13	52-240	12	105-420
		10	119-393	10	135-530	10	119-393	10	130-560
		1	132-315	7	175-420	1	132-315	7	175-420
		15d	113-443	4	150-380	15d	113-443	4	150-380
		0	76-234	5D	145-320	0	76-234	5D	145-320
				0	110-300			0	110-300
Alanine Aminotransferase	U/L	0	7-52	18	<50	0	7-52	18	<35
				14	10-45			14	5-30
				4	10-55			4	10-35
				0	5-45			0	5-45
Ammonia	umol/L	1Y	16-53	18	9-30	1Y	16-53	18	9-30
		<1Y	16-53	0	9-33	<1Y	16-53	0	9-33
Amylase	U/L	0	29-103	18	30 - 110	0	29-103	18	30 - 110
				1	<102			1	<102
				13W	<46			13W	<46
				2W	<30			2W	<30
				0	<30			0	<30
Aspartate Aminotransferase	U/L	0	13-39	18	17-59	0	13-39	18	14-36
				12	24-49			12	24-49
				7	24-46			7	24-46
				1	29-61			1	29-61
				2W	25-93			2W	25-93
				0	34-218			0	34-218
Bilirubin, Direct	mg/dL	31D	0.0-0.2	18	0.1-0.5	31D	0.0-0.2	18	0.1-0.5
		0	0.0-0.6	1M	<0.1	0	0.0-0.6	1M	<0.1
				0	<0.6			0	<0.6
Bilirubin, Neonatal	mg/dL	2	0.3-1.0	3M	not.est.	2	0.3-1.0	3M	not est.
		31D	0.3-1.0	1M	<1.1	31D	0.3-1.0	1M	<1.1
		15D	1.0-10.5	15D	<0.7	15D	1.0-10.5	15D	<0.7
		3D	1.0-10.5	3D	<11.7	3D	1.0-10.5	3D	<11.7
		2D	1.0-10.5	2D	<8.2	2D	1.0-10.5	2D	<8.2
		1D	1.0-10.5	1D	<8.2	1D	1.0-10.5	1D	<8.2
		0	1.0-10.5	0	<5.8	0	1.0-10.5	0	<5.8
Bilirubin, Total	mg/dL	2	0.3-1.0	18	0.2-1.3	2	0.3-1.0	18	0.2-1.3
		31D	0.3-1.0	2	<1.0	31D	0.3-1.0	2	<1.0
		15D	1.0-10.5	1M	<1.0	15D	1.0-10.5	1M	<1.0
		3D	1.0-10.5	0	Not Est.	3D	1.0-10.5	0	Not Est.

		2D	1.0-10.5			2D	1.0-10.5		
		1D	1.0-10.5			1D	1.0-10.5		
		0	1.0-10.5			0	1.0-10.5		
<b>Blood Urea Nitrogen</b>	mg/dL	0	7-25	18	9-20	0	7-25	18	7-17
				14	8-21			14	8-21
				4	7-17			4	7-17
				1	5-17			1	5-17
				7M	2-14			7M	2-14
				4M	1-14			4M	1-14
				1M	2-12			1M	2-12
				1W	2-16			1W	2-16
				1D	2-13			1D	2-13
<b>Calcium</b>	mg/dL	0	8.6-10.3	18	8.4-10.2	0	8.6-10.3	18	8.4-10.2
				1	8.9-10.2			1	8.9-10.2
				0	8.3-10.6			0	8.3-10.6
<b>Carbon Dioxide</b>	mmol/L	0	21-31	18	22-30	0	21-31	18	22-30
				1	20-31			1	20-31
				6M	18-29			6M	18-29
				1M	17-29			1M	17-29
				1W	17-27			1W	17-27
				0	17-26			0	17-26
<b>Chloride</b>	mmol/L	0	98-107	18	98-107	0	98-107	18	98-107
				1	96-109			1	96-109
				6M	96-108			6M	96-108
				1W	96-110			1W	96-110
				0	96-111			0	96-111
<b>Creatine Kinase</b>	U/L	0	30-223	18	55-170	0	30-223	18	30-135
				3M	30-150			3M	30-150
				0	28-300			0	28-300
<b>Creatinine</b>	mg/dL	0	0.7-1.3	18	0.66-1.25	0	0.6-1.2	18	0.52-1.04
				15	0.58-1.01			15	0.45-0.78
				12	0.42-0.76			12	0.42-0.76
				5	0.28-0.57			5	0.28-0.57
				2	0.18-0.40			2	0.18-0.40
				2W	0.09-0.33			2W	0.09-0.33
				0	0.31-0.86			0	0.31-0.86
<b>C-Reactive Protein</b>	mg/dL	0	0.0-0.5	18	<1.0	0	0.0-0.5	18	<1.0
				15	<0.2			15	<0.2
				2W	<0.1			2W	<0.1
				0	<0.6			0	<0.6
<b>Lactate</b>	mmol/L	0	0.5-2.2	18	0.7-2.1	0	0.5-2.2	18	0.7-2.1
				2	<2.2			2	<2.2
				3M	<3.1			3M	<3.1
				0	<3.3			0	<3.3
<b>Lipase</b>	U/L	0	11-82	18	23 - 300	0	11-82	18	23-300
				0	<148			0	<148
<b>Magnesium</b>	mg/dL	0	1.9-2.7	18	1.6-2.3	0	1.9-2.7	18	1.6-2.3
				14	1.5-2.3			14	1.5-2.3
				10	1.6-2.2			10	1.6-2.2
				2	1.5-2.4			2	1.5-2.4
				1M	1.6-2.6			1M	1.6-2.6
				0	1.6-2.4			0	1.6-2.4
<b>Phosphorus</b>	mg/dL	0	2.5-5.0	18	2.5-4.5	0	2.5-5.0	18	2.5-4.5
				16	3.0-5.2			16	3.0-4.8

				13	3.0-5.4			13	3.0-5.6
				2	3.0-6.0			2	2.5-6.0
				1	2.5-6.4			1	3.0-6.5
				3M	3.0-6.9			3M	2.5-7.0
				1M	3.0-6.8			1M	3.0-7.5
				0	2.7-7.2			0	3.0-8.0
<b>Potassium</b>	mmol/L	18	3.5-5.1	18	3.5-5.1	18	3.5-5.1	18	3.5-5.1
		29D	3.5-5.1	1	3.3-4.6	29D	3.5-5.1	1	3.3-4.6
		0	3.5-5.1	1M	3.5-5.6	0	3.5-5.1	1M	3.5-5.6
				0	3.2-5.6			0	3.2-5.6
<b>Salicylate</b>	mg/dL	0	<6.0	0	<20.0	0	<6.0	0	<20.0
<b>Sodium</b>	mmol/L	18	133-145	18	137-145	18	133-145	18	137-145
		0	133-145	1	134-143	0	133-145	1	134-143
				6M	133-142			6M	133-142
				1M	134-142			1M	134-142
				1W	134-144			1W	134-144
				0	133-146			0	133-146
<b>Total Protein</b>	g/dL	0	6.4-8.9	18	6.3-8.2	0	6.4-8.9	18	6.3-8.2
				9	6.6-8.3			9	6.6-8.3
				6	6.5-7.9			6	6.5-7.9
				1	6.2-7.7			1	6.2-7.7
				2W	4.5-7.3			2W	4.5-7.3
				0	5.4-8.5			0	5.4-8.5
<b>CSF Total Protein</b>	mg/dL	0	15-45	3M	Dec-60	0	15-45	3M	Dec-60
				0	<100			0	<100
<b>Uric Acid</b>	mg/dL	0	4.4-7.6	18	3.5-8.5	0	2.3-6.6	18	2.5-6.2
				12	2.6-7.5			12	2.6-7.5
				1	1.7-4.8			1	1.7-4.8
				2W	1.6-6.2			2W	1.6-6.2
				0	2.7-12.5			0	2.7-12.5
<b>B-HCG</b>	mIU/mL	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				