



2019 Chemistry Analyzer Reference Interval Changes St. Vincent Hospitals Effective: January 27th, 2020

Vitros Legacy Plan

New Method - Ortho Vitros 5600/4600/350

TEST NAME	UNITS	OLD MALE		NEW MALE		OLD FEMALE		NEW FEMALE	
		AGE	NORMAL	AGE	NORMAL	AGE	NORMAL	AGE	NORMAL
Albumin	g/dL	19	3.5-5.0	18	3.5-5.0	19	3.5-5.0	18	3.5-5.0
		18	3.2-5.2	15	4.2-5.3	18	3.2-5.2	15	4.1-5.1
		14	3.2-4.5	8	4.2-5.0	14	3.2-4.5	8	4.2-5.0
		7	3.7-5.6	1	3.6-4.9	7	3.7-5.6	1	3.9-4.9
		4	3.5-5.2	2W	3.6-4.9	4	3.5-5.2	2W	2.9-4.9
		1	3.4-4.2	0	3.4-4.7	1	3.4-4.2	0	3.4-4.7
		4D	3.8-5.4			4D	3.8-5.4		
		0	2.0-3.6			0	2.0-3.6		
Alcohol	mg/dL	21	0-10	21	<10	21	0-10	21	<10
		0	0-10	0	<10	0	0-10	0	<10
Alkaline Phosphatase	U/L	19	38-126	18	38-126	19	38-126	18	38-126
		17	59-164	16	65-260	17	48-95	16	50-130
		15	89-356	14	130-525	15	54-128	14	70-230
		13	124-492	12	200-495	13	62-280	12	105-420
		10	140-441	10	135-530	10	140-441	10	130-560
		1	151-362	7	175-420	1	151-362	7	175-420
		15D	131-493	4	150-380	15D	131-493	4	150-380
		0	90-273	5D	145-320	0	90-273	5D	145-320
				0	110-300			0	110-300
Alanine Aminotransferase	U/L	19	<50	18	<50	19	5-34	18	<35
		14	11-26	14	10-45	14	10-35	14	5-30
		4	10-41	4	10-55	4	11-28	4	10-35
		0	12-45	0	5-45	0	14-45	0	5-45
Ammonia	umol/L	1Y	9-33	18	9-30	1Y	9-33	18	9-30
		0	9-33	1	9-33	0	9-33	1	9-33
				0	9-33			0	9-33
Amylase	U/L	18	30-110	18	30 - 110	18	30-110	18	30 - 110
		0	30-100	1	<102	0	30-100	1	<102
				13W	<46			13W	<46
				2W	<30			2W	<30
				0	<30			0	<30
		19	17-59	18	17-59	19	14-36	18	14-36
		16	15-45	12	24-49	16	5-30	12	24-49
		12	15-40	7	24-46	12	10-30	7	24-46

Carbon Dioxide	mmol/L	19	22-31	18	22-30	19	22-31	18	22-30
		1	20-31	1	20-31	1	20-31	1	20-31
		6M	18-29	6M	18-29	6M	18-29	6M	18-29
		1M	17-29	1M	17-29	1M	17-29	1M	17-29
		7D	17-27	1W	17-27	7D	17-27	1W	17-27
		0	17-26	0	17-26	0	17-26	0	17-26
Chloride	mmol/L	19	98-110	18	98-107	19	98-110	18	98-107
		1	96-109	1	96-109	1	96-109	1	96-109
		6M	96-108	6M	96-108	6M	96-108	6M	96-108
		7D	96-110	1W	96-110	7D	96-110	1W	96-110
		0	96-111	0	96-111	0	96-111	0	96-111
CKMB MASS	ng/mL	0	0.1-6.6	0	<2.4	0	0.1-6.6	0	<2.4
Creatine Kinase	U/L	19	20-259	18	55-170	19	20-225	18	30-135
		1	60-305	3M	30-150	1	60-305	3M	30-150
				0	28-300			0	28-300
Creatinine	mg/dL	19	0.70-1.30	18	0.66-1.25	19	0.60-1.00	18	0.52-1.04
		1	0.10-0.60	15	0.58-1.01	1	0.10-0.60	15	0.45-0.78
		1M	0.10-0.30	12	0.42-0.76	1M	0.10-0.30	12	0.42-0.76
		7D	0.20-0.60	5	0.28-0.57	7D	0.20-0.60	5	0.28-0.57
		0	0.50-1.00	2	0.18-0.40	0	0.50-1.00	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
Creatinine Urine Timed (CRCK)	mg/dL	0	0.60-2.50	18	not est.	0	0.60-2.50	18	no est.
				0	not est.			0	no est.
C-Reactive Protein	mg/dL	0	<1.0	18	<1.0	0	<1.0	18	<1.0
				15	<0.2			15	<0.2
				2W	<0.1			2W	<0.1
				0	<0.6			0	<0.6
CSF Total Protein	mg/dL	0	12-60	3M	12-60	0	12-60	3M	12-60
				0	<100			0	<100
Gamma Glutamyl	U/L	19	12-58	18	15-73	19	12-58	18	12-43
		16	11-28	11	<17	16	11-28	11	<17
		14	12-27	1	<13	14	12-27	1	<13
		12	17-36	2W	<113	12	17-36	2W	<113
		10	17-24	0	19-196	10	17-24	0	19-196

Potassium	mmol/L	18	3.6-5.5	18	3.5-5.1	18	3.6-5.5	18	3.5-5.1
		29D	3.6-5.5	1	3.3-4.6	29D	3.6-5.5	1	3.3-4.6
		0	3.6-5.5	1M	3.5-5.6	0	3.6-5.5	1M	3.5-5.6
				0	3.2-5.6			0	3.2-5.6
Prealbumin	mg/dL	61	16-42	18	17-36	61	14-37	18	17-36
		13	18-45	16	22-38	13	16-38	16	18-36
		2	11-34	13	19-34	2	20-30	13	19-34
		0	7-25	5	15-28	0	8-25	5	15-28
				1	13-25			1	13-25
				2W	5-25			2W	5-26
				0	<13			0	<13
Salicylate	mg/dL	0	2.0-20.0	0	<20.0	0	2.0-20.0	0	<20.0
Sodium	mmol/L	19	137-145	18	137-145	19	137-145	18	137-145
		18	134-143	1	134-143	18	134-143	1	134-143
		1	134-143	6M	133-142	1	134-143	6M	133-142
		6M	133-142	1M	134-142	6M	133-142	1M	134-142
		1M	134-142	1W	134-144	1M	134-142	1W	134-144
		7D	134-144	0	133-146	7D	134-144	0	133-146
		0	133-146			0	133-146		
Total Protein	g/dL	19	6.3-8.2	18	6.3-8.2	19	6.3-8.2	18	6.3-8.2
		10	6.3-8.6	9	6.6-8.3	10	6.3-8.6	9	6.6-8.3
		7	6.2-8.1	6	6.5-7.9	7	6.2-8.1	6	6.5-7.9
		4	5.9-7.8	1	6.2-7.7	4	5.9-7.8	1	6.2-7.7
		1	5.9-7.0	2W	4.5-7.3	1	5.9-7.0	2W	4.5-7.3
		0	3.8-7.0	0	5.4-8.5	0	3.8-7.0	0	5.4-8.5
Thyroid Stimulating hormone	ng/mL	19	0.35-4.94	18	0.47-4.68	19	0.35-4.94	18	0.47-4.68
		14	0.47-3.41	6M	0.50-4.50	14	0.47-3.41	6M	0.50-4.50
		6M	0.70-1.17	1M	0.50-6.00	6M	0.70-1.17	1M	0.50-6.00
		4D	0.73-4.77	3D	0.50-6.50	4D	0.73-4.77	3D	0.50-6.50
				0	1.00-20.00			0	1.00-20.00
Triglyceride	mg/dL	0	15-150	1	45-215	0	15-150	1	45-215
				2W	55-283			2W	55-283
				0	88-284			0	88-284
Total Protein Urine, Random	mg/dL	0	1.0-14.0	0	0.00-14.00	0	1.0-14.0	0	0.00-14.00
Total Protein Urine, 24 Hour	mg/24h	0	<300	0	42-225	0	<300	0	42-225
Uric Acid	mg/dL	19	3.5-8.5	18	3.5-8.5	35	3.0-7.5	18	2.5-6.2
		14	3.0-7.0	12	2.6-7.5	14	3.0-6.0	12	2.6-7.5
		12	2.4-6.5	1	1.7-4.8	12	2.4-6.5	1	1.7-4.8

		2	2.2-5.9	2W	1.6-6.2	2	2.2-5.9	2W	1.6-6.2
		0	2.0-6.4	0	2.7-12.5	0	2.0-6.4	0	2.7-12.5
Valproic Acid	ug/mL	0	50-100	0	50-120	0	50-100	0	50-120
Vancomycin PRE	ug/mL	0	10.0-20.0	0	5.0-10.0	0	10.0-20.0	0	5.0-10.0
Vancomycin Peak/Post	ug/mL	19	30.0-40.0	19	20.0-40.0	19	30.0-40.0	19	20.0-40.0
		0	30.0-40.1	0	20.0-40.0	0	30.0-40.1	0	20.0-40.0