

Last Revised: (Revised 10/7/2024 by L.Morman)

Chemistry Reference Ranges:

DXC 600 Reference Ranges:

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Acetaminophen	DXC 600		Therapeutic	10 - 30	ug/mL	> 150
			Hepatotoxic			
			4 hrs Post Ingestion	> 150	ug/ml	
			8 hrs Post Ingestion	> 75	ug/ml	
			12 hrs Post Ingestion	> 40	ug/ml	
A/G Ratio	Calculation			1.1 - 2.2		
Albumin (Bromcresol Purple)	DXC 600		0 Day - 14 Days	2.8 - 4.2	gm/dL	
			15 Days - <1 Year	2.5 - 4.7	gm/dL	
			1+ Years	3.5 - 5.0	gm/dL	
Alcohol (ETOH)	DXC 600			< 10 (none detected)	mg/dL	> 300
Alkaline Phosphatase	DXC 600	Both	0 - 4 Years	80 - 350	IU/L	
		Both	5 Years - 9 Years	60 - 385	IU/L	
		Both	10 Years - 13 Years	60 - 485	IU/L	
		Male	14 Years - 18 Years	50 - 350	IU/L	
		Female	14 Years - 18 Years	40 - 195	IU/L	
		Both	19+ Years	32 - 91	IU/L	
ALT (SGPT)	DXC 600	Male		17 - 63	IU/L	
		Female		14 - 54	IU/L	
Ammonia	DXC 600	Both	0 - 2 Weeks	< 90	umol/L	> 100
			2+ Weeks - <18 Years	< 50	umol/L	> 100
			18+ Years	9 - 35	umol/L	> 100
Amylase	DXC 600			28 - 100	U/L	
Anion Gap	DXC 600			4-12	mmol/L	
AST (SGOT)	DXC 600		0 Years - 4 Years	10 - 60	IU/L	
			5 Years - 9 Years	5 - 50	IU/L	
			10+ Years	15 - 41	IU/L	
Beta Hydroxybutyrate	DXC 600			0.0 - 0.3	mmol/L	
BUN	DXC 600			8 - 26	mg/dL	
BUN/Creatinine Ratio	Calculation			15 - 25	Ratio	
Calcium	DXC 600		0-2 days	6.2 - 11.0	mg/dL	< 5.8, > 13.3
			> 2 days	8.5 - 10.3	mg/dl	< 6.3, > 13.3
Cardiac Risk Factor	Calculation	Male		1/2 Average	3.43	
				Average	4.97	
				2X Average	9.55	
				3X Average	23.99	
		Female		1/2 Average	3.27	
				Average	4.44	
				2X Average	7.05	
				3X Average	11.04	

Chemistry Reference Ranges:

DXC 600 Reference Ranges: (cont.)

Chloride	DXC 600			98 - 110	mmol/L	
Cholesterol	DXC 600		0 - 17 Years	0 - 169 desirable	mg/dL	
				170-199 borderline high	mg/dL	
				>200 high	mg/dL	
			18+ Years	0 - 199 desirable	mg/dL	
				200-239 borderline high	mg/dL	
			>239 high	mg/dL		
CO2 (Carbon Dioxide)	DXC 600			22 - 32	mmol/L	< 10, > 40
CPK	DXC 600	Male		49 - 397	IU/L	
		Female		38 - 234	IU/L	
Creatinine	DXC 600	Male		0.61 - 1.24	mg/dl	> 10.0
		Female		0.44 - 1.03	mg/dl	> 10.0
CRP (High Sensitivity)	DXC 600			0.0 - 0.75	mg/dL	
Digoxin	DXC 600			0.8 - 2.0	ng/mL	> 2.4
Dilantin	DXC 600			10 - 20	ug/mL	> 30
Direct Bilirubin	DXC 600			0.1 - 0.5	mg/dL	
Gentamicin	DXC 600		Peak	5 - 10	ug/mL	> 10
			Trough	< 2	ug/ml	
GGT	DXC 600			7 - 50	IU/L	
Glomerular Filtration Rate	Calculation			> or = 60	ml/min/ 1.73 M ²	
				GFR		
				30 - 59		
				Moderate decrease in GFR		
				15 - 29		
				Severe decrease in GFR		
< 15						
Kidney failure or Dialysis						
Chronic kidney disease is defined as either kidney damage or GFR < 60 mL/min/1.73 m ² for > or = 3 months. Kidney damage is defined as pathologic abnormalities or markers of damage including abnormalities in blood or urine tests or imaging studies. This GFR is NOT used for medication dosing.						
Glucose	DXC 600		0 Hrs - 4 Hrs	41 - 60	mg/dL	< 25, > 250
			4 Hrs - 1 Day	46 - 60	mg/dl	< 35, > 250
			1 Day - 2 Months	51 - 90	mg/dl	< 45, > 250
			2 Months - 16 Yrs	60 - 99	mg/dL	< 54, > 400
			16 year +	70 - 99	mg/dl	< 54, > 400
Haptoglobin	DXC 600			36-195	mg/dl	
HDL (Direct)	DXC 600		0 Years - 17 Years	< 40 low	mg/dl	
				40 - 59 borderline low		
				> = 60 normal		
		18+ Years	40 - 60	mg/dl		

Chemistry Reference Ranges:

DXC 600 Reference Ranges: (cont.)

IgA	DXC 600		0-5 years	30 - 250	mg/dL	
			6+ years	66 - 436	mg/dl	
IgG	DXC 600		0-5 years	500 - 1550	mg/dL	
			6+ years	791 - 1643	mg/dl	
IgM	DXC 600			43 - 279	mg/dL	
Indirect Bilirubin	Calculation			0.0 - 1.0	mg/dL	
Ionized Calcium	NOVA		0-1 day	1.08 - 1.28	mmol/L	
			1-2 days	1.00 - 1.18	mmol/L	
			3+ days	1.12 - 1.32	mmol/L	
Iron	DXC 600	Both	0 - 1 Month	100 - 250	ug/dL	
		Male	2+ Months	45 - 182	ug/dL	
		Female	2+ Months	28 - 170	ug/dl	
TIBC	Calculation			261 - 478	ug/dL	
% Saturation Fe	Calculation			> 16	%	
Lactic Acid	DXC 600			0.5 - 2.0	mmol/L	> 4.0
Lipase	DXC 600			22 - 51	IU/L	
LDH	DXC 600			98 - 192	IU/L	
LDL (Calculated and Direct)	Calculation		0 - 17 years	0 - 109 desirable	mg/dL	
				110 - 129 borderline high	mg/dL	
				> = 130 high	mg/dL	
			18 + years	0 - 99 optimal	mg/dL	
				100 - 129 near optimal	mg/dL	
				130 - 159 borderline high	mg/dL	
				160 - 189 high	mg/dL	
				> = 190 very high	mg/dL	
Magnesium	DXC 600			1.7 - 2.4	mg/dL	< 1.0, > 4.4
Osmolality, Serum	Osmometer			280 - 295	mosm/kg	
Phenobarbital	DXC 600			15 - 40	ug/mL	> 60
Phosphorus	DXC 600		0 - 9 Days	4.5 - 9.0	mg/dL	< 1.0
			10 Days - 2 Years	4.0 - 6.5	mg/dL	
			3 Years - 9 Years	3.2 - 5.8	mg/dL	
			10 Years - 15 Years	3.3 - 5.4	mg/dL	
			16+ Years	2.5 - 4.6	mg/dL	
Potassium	DXC 600		0 - 7 Days	3.2 - 5.5	mmol/L	< 2.5, > 6.5
			8 Days - 1 Year	3.4 - 6.0	mmol/L	< 2.5, > 6.5
			2+ Years	3.4 - 4.8	mmol/L	< 2.5, > 6.0

Chemistry Reference Ranges:

DXC 600 Reference Ranges: (cont.)

Prealbumin	DXC 600			18 - 38	mg/dL	
				10-17.9 mg/dL Indicates moderate protein calorie malnutrition		
				< 10 mg/dL Indicates serious malnourishment.		
Salicylate	DXC 600			0 - 30	mg/dL	> 40
Sodium	DXC 600		0 - 1 Year	130- 145	mmol/L	< 120, > 160
			2+ Years	133 - 142		
Tegretol	DXC 600			4 - 12	ug/mL	> 20
Total Bilirubin	DXC 600		0-1 Day	1.4 - 8.7	mg/dL	> 12.0
			1-2 Days	3.4 - 11.5	mg/dL	> 15.0
			3-5 Days	1.5 - 12.0	mg/dL	
			> 5 Days	0.3 - 1.2	mg/dL	
Total Protein	DXC 600		0 Day - 1 Month	4.1 - 6.3	gm/dl	
			2 Month - 6 Months	4.4 - 6.7	gm/dl	
			7 Months - 1 Year	5.5 - 7.9	gm/dl	
		Both	2+ Years	6.5 - 8.1	gm/dL	
Transferrin	DXC 600	Male		180 - 329	mg/dL	
		Female		192 - 382	mg/dl	
Triglycerides	DXC 600		0 - 17 Years	0 - 89 normal	mg/dL	
				90 - 129 borderline high	mg/dL	
				> = 130 high	mg/dL	
			18+ Years	0 - 149 normal	mg/dL	
				150-199 borderline high	mg/dL	
				200-499 high	mg/dL	
			> 499 very high	mg/dL		
Uric Acid	DXC 600	Both	0 - 11 Years	1.0 - 6.6	mg/dl	
		Male	12 Years - 19 Years	3.0 - 7.7	mg/dl	
		Female	12 Years - 19 Years	2.7 - 5.7	mg/dl	
		Male	20+ Years	4.8 - 8.7	mg/dl	
		Female	20+ Years	2.6 - 8.0	mg/dl	
Valproic Acid	DXC 600			50 - 100	ug/mL	> 150
Vancomycin	DXC 600		Peak	20 - 40	ug/mL	> 40
			Random	10 - 15	ug/mL	
			Trough	10 - 15	ug/ml	
VLDL	Calculation			8 - 39	mg/dL	

Chemistry Cerebrospinal Fluid Tests

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Glucose, Spinal Fluid	DXC 600			40 - 70	mg/dL	< 25
Protein, Spinal Fluid	DXC 600			15 - 45	mg/dL	
CSF Color	Visual			Clear		Xanthochromic

Chemistry Urine Tests:

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Amylase:Creatinine Clearance Ratio	DXC 600			0 - 5	%	
Urea Nitrogen, 24 Hour, Urine	DXC 600			12 - 20	gm/24hr	
Calcium, 24 Hour, Urine	DXC 600			100 - 300	mg/24hr	
Calcium, Random, Urine	DXC 600			None		
Calcium: Creatinine Ratio, Random, Urine	DXC 600		0 to 6 months	<0.8	mg/mg	
			6 to 12 months	<0.6	mg/mg	
			2 years +	<0.2	mg/mg	
Chloride, 24 Hour, Urine	DXC 600			110 - 250	meq/24hr	
Chloride, Random, Urine	DXC 600			None		
Creatinine 24 Hour, Urine	DXC 600	Male		800 - 2000	mg/24hr	
		Female		600 - 1800	mg/24hr	
Creatinine Clearance, 24 Hour, Urine	DXC 600	Male		74 - 140	mL/min	
		Female		74 - 130	mL/min	
Glucose, 24 Hour, Urine	DXC 600			0 - 0.5	g/24hr	
Magnesium, 24 Hour, Urine	DXC 600			72.9 - 121.5	mg/24hr	
Magnesium, Random, Urine	DXC 600			None		
Albumin, 24 Hour, Urine	DXC 600					
Albumin, 24 Hr, U	Calc			<30	mg/24hr	
				30-300 mg/24hr is indicative of Albuminuria		
				> 300 mg/24hr is indicative of Clinical Albuminuria		
Ur Albumin Excretion Rate				<20	ug/min	
				20-200 ug/min is indicative of Albuminuria		
				> 200 ug/min is indicative of Clinical Albuminuria		
Albumin:Creatinine Ratio, Random Ur	Calc	Male		<17	mg/g	
		Female		<25		
			17 - 299 mg/g in males is indicative of Albuminuria			
			25 - 299 mg/g in females is indicative of Albuminuria			
				> 300 mg/G in both males and females is indicative of Clinical Albuminuria		
Osmolality, Random, Urine	Osmometer			50 - 1200	mosm/kg	
Phosphorous, 24 Hour, Urine	DXC 600			0.4 - 1.3	gm/24hr	
Potassium, 24 Hour, Urine	DXC 600			25 - 125	meq/24hr	
Potassium, Random, Urine	DXC 600			None		
Sodium, 24 Hour, Urine	DXC 600			40 - 220	meq/24hr	
Sodium, Random, Urine	DXC 600			None		
Protein, 24 Hour, Urine	DXC 600	Male		31 - 137	mg/24hr	
		Female		27 - 93	mg/24hr	
Protein, Random, Urine				< 10	mg/dL	
Uric Acid, 24 Hour, Urine	DXC 600			0.25 - 0.75	gm/24hr	
Uric Acid, Random, Urine	DXC 600			None		

Chemistry Urine Drug Screening Tests:

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Amphetamines (AMPH)	DXC 600			Negative = < 1000	ng/mL	
Barbiturates (BARB)	DXC 600			Negative = < 200	ng/mL	
Benzodiazepine (BENZ)	DXC 600			Negative = < 200	ng/mL	
Buprenorphine (BUP)	Med-Tox			Negative = < 10	ng/mL	
Cannabinoid (TCH50)	DXC 600			Negative = <50	ng/mL	
Cocaine Metabolites (COCM)	DXC 600			Negative = < 300	ng/mL	
Fentanyl (FENT)	DXC 600			Negative = < 1.0	ng/mL	
Methadone (METD)	DXC 600			Negative = < 300	ng/mL	
Oxycodone (OXY)	DXC 600			Negative = < 100	ng/mL	
Opiate (OP)	DXC 600			Negative = < 300	ng/mL	
Phencyclidine (PCP)	DXC 600			Negative = < 25	ng/mL	
Urine Alcohol	DXC 600			Negative - < 20	mg/dL	

Chemistry Reference Ranges: (cont.)

Glucose Tolerance Test (75 grams of Glucola)

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Fasting Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400
1 Hour Glucose	DXC 600			70 - 199	mg/dL	< 54, > 400
2 Hour Glucose	DXC 600			70 - 139	mg/dL	< 54, > 400
3 Hour Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400
4 Hour Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400
5 Hour Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400
6 Hour Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400

Gestational Glucose Tolerance, 2 Hour (ADA Recommendations) 75 g Glucola

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Fasting Glucose	DXC 600			70 - 91	mg/dL	< 54, > 400
1 Hour Glucose	DXC 600			70 - 179	mg/dL	< 54, > 400
2 Hour Glucose	DXC 600			70 - 152	mg/dL	< 54, > 400

Gestational Glucose Tolerance, 3 Hour (ACOG Recommendations) 100 g Glucola

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Fasting Glucose	DXC 600			70 - 94	mg/dL	< 50, > 400
1 Hour Glucose	DXC 600			70 - 179	mg/dL	< 50, > 400
2 Hour Glucose	DXC 600			70 - 154	mg/dL	< 50, > 400
3 Hour Glucose	DXC 600			70 - 139	mg/dL	< 50, > 400

Gestational Diabetes Screen (ACOG Recommendations) 50 g Glucola

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
1 Hour Glucose	DXC 600			70 - 134	mg/dL	< 54, > 400

2 Hour Post-Prandial Glucose Test:

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
2 Hour Glucose	DXC 600			70 - 139	mg/dL	< 54, > 400

Insulin Resistance with Glucose - 2 Hour

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Fasting Glucose	DXC 600			70 - 99	mg/dL	< 54, > 400
1 Hour Glucose	DXC 600			70 - 199	mg/dL	< 54, > 400
2 Hour Glucose	DXC 600			70 - 139	mg/dL	< 54, > 400
Fasting Insulin	DXI 600			1.9 - 23.0	uIU/mL	
1 Hour Insulin	DXI 600			No Ref Range	uIU/mL	
2 Hour Insulin	DXI 600			No Ref Range	uIU/mL	

Beckman DXI :

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Alpha-fetoprotein (AFP) Tumor Marker	Dxl			< 8.4	ng/mL	
Beta HCG	Dxl	Female	Negative for pregnancy	0.0 - 4.9	mIU/mL	
			Indeterminate-Suggest repeat testing in 72 hours	5.0 - 25.0	mIU/mL	
			Positive for pregnancy	> 25.0	mIU/mL	
BNP	Dxl			0 - 100	pg/mL	
CA 15-3	Dxl			0.0 - 31.3	U/mL	
CA 19-9	DXI			< 35	U/mL	
CA 125	Dxl			0 - 35	U/mL	
CEA	Dxl		Smokers	< 5.0	ng/mL	
			Non-Smokers	< 3.0	ng/ml	
Cortisol	Dxl		AM	6.7 - 22.6	ug/dL	
			PM	< 10	ug/dl	
Estradiol, Sensitive	Dxl	Male	0 to < 1 Year	< 15.0 - 38.2	pg/mL	
			1 to < 12 (pre-puberty) Years	< 15.0	pg/mL	
			12 to < 19 (puberty) Years	< 15.0 - 34.8	pg/mL	
		Female	19+ Years	< 15.0 - 31.5	pg/mL	
			0 to < 1 Year	< 15.0 - 38.2	pg/mL	
			1 to < 12 (pre-puberty) Years	< 15.0 - 16.0	pg/mL	
		Non-Pregnant Females	12 to < 19 (puberty) Years	< 15.0 - 196.0	pg/mL	
			19+ Years	See Non-pregnant Females below		
			Days from hLH Peak (Day 0)			
			-14 to -10 (Early Follicular)	22.4 - 115.0	pg/mL	
			-9 to -4 (Mid Follicular)	25.0 - 115.0	pg/mL	
			0 (Ovulatory Peak)	32.1 - 517.0	pg/mL	
			+4 to +11 (Mid Luteal)	36.5 - 246.0	pg/mL	
Post-Menopausal Females	Not on hormone therapy	< 15.0 - 25.1	pg/mL			
Ferritin	Dxl	Male		23.9 - 336.2	ng/ml	
		Female		11.0 - 306.8	ng/ml	
Folate	Dxl			≥ 5.9	ng/mL	

hFSH	Dxl	Male		1.27 - 19.26	miU/mL	
		Female	mid-follicular phase	3.85 - 8.78	miU/mL	
			mid-cycle peak	4.54 - 22.51	miU/mL	
			mid-luteal phase	1.79 - 5.12	miU/mL	
			Post-menopausal	16.74 - 113.59	miU/mL	
HybriTech % Free PSA (DRE NEGATIVE) (if Total PSA is 4.0 - 10.0)	Dxl		Probability of Cancer			
			56%	0 - 10	%	
			28%	10 - 15	%	
			20%	15 - 20	%	
			16%	20 - 25	%	
	8%	> 25	%			
HybriTech PSA (total)	Dxl			0.0 - 4.0	ng/mL	
Insulin	Dxl			1.9 - 23.0	uIU/mL	
hLH	Dxl	Male		1.24 - 8.62	miU/mL	
		Female	mid-follicular phase	2.12 - 10.89	miU/mL	
			mid-cycle peak	19.18 - 103.03	miU/mL	
			mid-luteal phase	1.20 - 12.86	miU/mL	
			Post-menopausal	10.87 - 58.64	miU/mL	
Myoglobin	Dxl	Male		17.4 - 105.7	ng/mL	
		Female		14.3 - 65.8	ng/mL	
Progesterone	Dxl	Male		0.14 - 2.06	ng/mL	
		Female	Non-Pregnant:			
			mid-follicular phase	0.31 - 1.52	ng/mL	
			mid-luteal phase	5.16 - 18.56	ng/mL	
			Pregnant:			
		first trimester	4.73 - 50.74	ng/mL		
		second trimester	19.41 - 45.30	ng/mL		
		Post-menopausal	< 0.08 - 0.78	ng/mL		
	(not on hormone therapy)					

Beckman DXI : (cont.)

Prolactin	Dxl	Male		2.64 - 13.13	ng/mL			
		Female	Premenopausal	3.34 - 26.72	ng/mL			
			Postmenopausal	2.74 - 19.64	ng/mL			
PTH, Intact	Dxl			12 - 88	pg/mL			
Rubella	Dxl		Negative (non-reactive)	< 10	IU/mL			
			Equivocal	10.0 - 14.9	IU/mL			
			Positive (reactive)	15.0 - > 500.0	IU/mL			
Testosterone, Total, Serum	Dxl	Male		175 - 781	ng/dL			
		Female		10 - 75	ng/dL			
T3, Free	Dxl			2.5 - 3.9	pg/mL			
T3, Total	Dxl		0 Day - 30 Days	0.48 - 1.84	ng/ml			
			1 Month - 1 Year	0.73 - 2.29	ng/ml			
			2 Years - 5 Years	0.93 - 2.16	ng/ml			
			6 Years - 10 Years	1.04 - 1.98	ng/ml			
			11+ Years	0.87 - 1.78	ng/mL			
T4, Free	Dxl		0 Day - 10 Years	0.60 - 1.34	ng/dL	> 6.00		
			11-18 Years	0.50 - 1.25	ng/dL	> 6.00		
			19+ Years	0.61 - 1.12	ng/dL			
			Pregnancy Ref Ranges:					
			1st Trimester	0.52 - 1.10	ng/dL			
			2nd Trimester	0.45 - 0.99	ng/dL			
			3rd Trimester	0.48 - 0.95	ng/dL	> 6.00		
T4, Total	Dxl		0 Day - 7 Days	8.2 - 21.5	ug/dL			
			8 Days - 3 Months	7.2 - 15.6	ug/dL			
			4 Months - 2 Years	5.5 - 14.5	ug/dL			
			3+ Years	5.0 - 11.5	ug/dL			
Troponin-I	Dxl			<0.03	ng/mL	≥ 0.04		
TSH (3rd Generation)	Dxl		0 days - 1 day	2.43 - 24.03	uIU/mL			
			1 day - 2 days	1.9 - 17.58	uIU/mL			
			2 days - 3 days	1.4 - 13.1	uIU/mL			
			3 days - 4 days	0.94 - 9.65	uIU/mL			
			4 days - 1 week	0.6 - 6.82	uIU/mL			
			1 week - 5 years	0.57 - 5.58	uIU/mL			
			5 years - 8 years	0.56 - 5.41	uIU/mL			
			8 years - 12 years	0.55 - 5.31	uIU/mL			
			12 years - 15 years	0.53 - 5.16	uIU/mL			
			15 years - 18 years	0.52 - 5.05	uIU/mL			
			18+ years	0.45 - 5.33	uIU/mL			
Vitamin B12	Dxl			180 - 914	pg/ml			
Vitamin D-25 Hydroxy	DXI		Deficient	< 20	ng/mL			
			Insufficient	20 - 29	ng/mL			
			Sufficient	30 - 100	ng/mL			
			Upper Safety Limit	> 100	ng/mL			

Arkray Adams HA-8180V A1c

HbA1c (in % units)	Arkray ADAMS HA-8180V		Normal Prediabetes Diabetes	4.0 - 5.6 5.7 - 6.4 >6.5	% A1c	
eAG (Estimated Average Glucose)	Calc			68 - 114	mg/dL	

DiaSorin Liaison

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Hepatitis B Surface Antigen	Liaison			Negative		
Hepatitis B Surface Antibody	Liaison			Negative		
HBsAb Quantitative	Liaison			< 5.00 = Negative 5.00 - 11.99 = Indeterminate > 11.99 = Positive		
Hep B Core IgM Antibody	Liaison			Negative		
Hep B Core Total Antibodies (IgG & IgM)	Liaison			Negative		
Hepatitis A IgM	Liaison			Negative		
Hepatitis A Total Antibody	Liaison			Negative		
Hepatitis C Virus	Liaison			Negative		
HIV-1 and HIV-2 Ab, p24 Ag	Liaison & Alere Determine			Negative (Non-Reactive)		
Procalcitonin	Liaison			<0.49	ng/mL	
Calprotectin, Stool	Liaison			<49	mcg/g	
Elastase-1, Stool	Liaison			>200	mcg/g	
H.pylori Stool	Liaison			Negative		
Measles IgG Antibody	Liaison			Negative		
Mumps IgG Antibody	Liaison			Negative		
QuantIFERON-TB Gold Plus	Liaison			Negative		
Treponema Total Antibody	Liaison			Negative		
Varicella Zoster Virus IgG Antibody	Liaison			Negative		

Electrophoresis:

Test	Method	Sex	Criteria	Reference Range	Units	Critical Range
Electrophoresis, Protein, Serum	Sebia		Total Protein	6.5 - 8.1	gm/dL	
			Albumin	3.0 - 5.0	gm/dL	
			Alpha-1	0.13 - 0.33	gm/dL	
			Alpha-2	0.56 - 1.13	gm/dL	
			Beta	0.60 - 1.25	gm/dL	
			Gamma	0.53 - 1.48	gm/dL	
			A/G Ratio	1.13 - 2.69		
Electrophoresis, Protein, Urine	Sebia			No Monoclonal Protein		
Immunofixation, Serum	Sebia			No Monoclonal Protein		
Immunofixation, Urine	Sebia			No Monoclonal Protein		