

Analyzer / Constituent	30491 exp. 06-12		30492 exp. 06-12		
	Units	Level 1 Control	Level 2 Control		
		Mean	Range	Mean	Range
Beckman CX					
Albumin	g/dL	2.4	2.2 - 2.6	4.2	3.8 - 4.6
Alkaline Phosphatase	U/L	108	76 - 140	260	182 - 338
ALT (SGPT)	U/L	54	43 - 65	125	100 - 150
Amylase	U/L	262	183 - 341	533	373 - 693
AST (SGOT)	U/L	71	57 - 85	247	198 - 296
Direct Bilirubin	mg/dL	0.6	0.2 - 1	3.8	3.0 - 4.6
Total Bilirubin	mg/dL	0.9	0.5 - 1.3	5.1	4.1 - 6.1
BUN	mg/dL	16	14 - 18	51	46 - 56
Calcium (CPC)	mg/dL	9.4	8.4 - 10.4	12	11 - 13
Cholesterol	mg/dL	138	124 - 152	300	270 - 330
Carbon Dioxide	mEq/L	11	6 - 16	20	15 - 25
CK/CPK	U/L	149	104 - 194	296	207 - 385
Creatinine	mg/dL	1.2	0.9 - 1.5	5	4.3 - 5.7
GGTP	U/L	45	31 - 59	123	98 - 148
Glucose Hex	mg/dL	92	83 - 101	288	259 - 317
Glucose Ox	mg/dL	91	82 - 100	287	258 - 316
HDL (auto)	mg/dL	78	55 - 101	174	122 - 226
Iron	µg/dL	68	54 - 82	225	180 - 270
Lactate	mmol/L	1.9	1.7 - 2.1	3.3	2.9 - 3.7
LDH	U/L	90	72 - 108	292	234 - 350
Magnesium	mg/dL	1.4	1.1 - 1.7	2.7	2.0 - 3.4
Phosphorus	mg/dL	3.4	3.0 - 3.8	6.8	6.1 - 7.5
Total Protein	g/dL	3.9	3.5 - 4.3	6.8	6.1 - 7.5
Trig-GPO	mg/dL	89	67 - 111	199	149 - 249
Uric Acid Liquid	mg/dL	4.9	4.1 - 5.7	8.8	7.3 - 10.3

Analyzer / Constituent	Units	Level 1 Control	Level 2 Control		
		Mean	Range	Mean	Range
	Hitachi 717				
Albumin	g/dL	2.4	2.2 - 2.6	4.2	3.8 - 4.6
Alkaline Phosphatase	U/L	88	62 - 114	220	154 - 286
ALT (SGPT)	U/L	51	41 - 61	123	99 - 147
Amylase	U/L	233	163 - 303	474	332 - 616
AST (SGOT)	U/L	62	50 - 74	232	206 - 258
Direct Bilirubin	mg/dL	0.4	0.0 - 0.8	4.4	3.5 - 5.3
Total Bilirubin	mg/dL	0.5	0.1 - 0.9	3.6	2.9 - 4.3
BUN	mg/dL	15	13 - 17	50	45 - 55
Calcium (CPC)	mg/dL	9.8	8.8 - 10.8	13.4	12.4 - 14.4
Chloride	mEq/L	*92	87 - 97	*108	103 - 113
Cholesterol	mg/dL	139	125 - 153	298	268 - 328
Carbon Dioxide	mEq/L	11	6 - 16	32	27 - 37
CK/CPK	U/L	140	98 - 182	274	192 - 356
Creatinine	mg/dL	1.1	0.8 - 1.4	4.8	4.1 - 5.5
GGTP	U/L	40	28 - 52	123	86 - 160
Glucose Hex	mg/dL	101	91 - 111	302	272 - 332
HDL (auto)	mg/dL	71	50 - 92	147	103 - 191
Iron	µg/dL	64	51 - 77	228	182 - 274
Lactate	mmol/L	1.8	1.6 - 2.0	3.2	3.0 - 3.4
LDH	U/L	99	79 - 119	290	232 - 348

	30491 exp. 06-12				30492 exp. 06-12	
	Units	Level 1 Control		Level 2 Control		
		Mean	Range	Mean	Range	
Hitachi 717						
Magnesium	mg/dL	1.5	1.1 - 1.9	2.6	1.9 - 3.3	
Phosphorus	mg/dL	3.8	3.4 - 4.2	7.4	6.6 - 8.2	
Potassium	mEq/L	*3.4	2.9 - 3.9	*5.8	5.3 - 6.3	
Sodium	mEq/L	*129	125 - 133	*154	150 - 158	
Total Protein	g/dL	4.1	3.7 - 4.5	7	6.3 - 7.7	
Trig-GPO	mg/dL	92	69 - 115	201	151 - 251	
Uric Acid Liquid	mg/dL	4.8	4.0 - 5.6	9	7.5 - 10.5	

	30491 exp. 06-12				30492 exp. 06-12	
	Units	Level 1 Control		Level 2 Control		
		Mean	Range	Mean	Range	
Hitachi 917						
Albumin	g/dL	2.7	2.4 - 3.0	4.6	4.1 - 5.1	
Alkaline Phosphatase	U/L	100	70 - 130	247	173 - 321	
ALT (SGPT)	U/L	62	50 - 74	144	115 - 173	
Amylase	U/L	290	203 - 377	578	405 - 751	
AST (SGOT)	U/L	75	60 - 90	273	218 - 328	
Direct Bilirubin	mg/dL	0.4	0.0 - 0.8	5	4 - 6	
Total Bilirubin	mg/dL	0.6	0.2 - 1.0	4.3	3.4 - 5.2	
BUN	mg/dL	16	14 - 18	54	49 - 59	
Calcium (CPC)	mg/dL	9.9	8.9 - 10.9	13.6	12.6 - 14.6	
Chloride	mEq/L	*95	90 - 100	*108	103 - 113	
Cholesterol	mg/dL	150	135 - 165	315	284 - 346	
Carbon Dioxide	mEq/L	10	5 - 15	27	22 - 32	
CK/CPK	U/L	157	110 - 204	303	212 - 394	
Creatinine	mg/dL	1.1	0.8 - 1.4	5	4.3 - 5.7	
GGTP	U/L	41	29 - 53	121	85 - 157	
Glucose Hex	mg/dL	97	87 - 107	289	260 - 318	
HDL (auto)	mg/dL	69	48 - 90	138	97 - 179	
Iron	µg/dL	57	46 - 68	215	172 - 258	
LDH	U/L	114	91 - 137	332	266 - 398	
Magnesium	mg/dL	1.5	1.1 - 1.9	2.8	2.1 - 3.5	
Phosphorus	mg/dL	4.1	3.7 - 4.5	7.8	7.0 - 8.6	
Potassium	mEq/L	*3.7	3.2 - 4.2	*6.1	5.6 - 6.6	
Sodium	mEq/L	*132	128 - 136	*158	154 - 162	
TIBC direct	µg/dL	225	169 - 281	333	250 - 416	
Total Protein	g/dL	4.3	3.9 - 4.7	7.2	6.5 - 7.9	
Trig-GPO	mg/dL	90	67 - 113	191	143 - 239	
Uric Acid Liquid	mg/dL	5.7	4.7 - 6.7	9.1	7.6 - 10.6	

	30491 exp. 06-12				30492 exp. 06-12	
	Units	Level 1 Control		Level 2 Control		
		Mean	Range	Mean	Range	
Olympus AU 400/640						
Albumin	g/dL	2.5	2.2 - 2.8	4.3	3.9 - 4.7	
Alkaline Phosphatase	U/L	83	58 - 108	207	145 - 269	
ALT (SGPT)	U/L	52	42 - 62	120	96 - 144	
Amylase	U/L	283	198 - 368	568	398 - 738	
AST (SGOT)	U/L	70	56 - 84	222	178 - 266	
Direct Bilirubin	mg/dL	0.4	0.0 - 0.8	4.1	3.3 - 4.9	
Total Bilirubin	mg/dL	0.6	0.2 - 1.0	4.5	3.6 - 5.4	
BUN	mg/dL	15	13 - 17	51	46 - 56	
Calcium (CPC)	mg/dL	9.7	8.7 - 10.7	13	12 - 14	
Chloride	mEq/L	*91	86 - 96	*101	96 - 106	
Cholesterol	mg/dL	143	129 - 157	299	269 - 329	
Carbon Dioxide	mEq/L	9	4 - 14	24	19 - 29	

	30491 exp. 06-12		30492 exp. 06-12		
	Units	Level 1 Control	Level 2 Control		
		Mean	Range	Mean	Range
Olympus AU 400/640					
CK/CPK	U/L	146	101 - 191	282	197 - 367
Creatinine	mg/dL	1.1	0.8 - 1.4	5	4.2 - 5.8
GGTP	U/L	32	18 - 46	96	77 - 115
Glucose Hex	mg/dL	100	90 - 110	304	274 - 334
HDL (auto)	mg/dL	72	52 - 92	151	106 - 196
Iron	µg/dL	66	53 - 79	233	186 - 280
LDH	U/L	86	69 - 103	248	198 - 298
Lipase (color)	U/L	48	34 - 62	140	98 - 182
Magnesium	mg/dL	1.6	1.3 - 1.9	3	2.2 - 3.8
Phosphorus	mg/dL	3.7	3.3 - 4.1	6.7	6.0 - 7.4
Potassium	mEq/L	*3.8	3.3 - 4.3	*6	5.5 - 6.5
Sodium	mEq/L	*132	128 - 136	*158	154 - 162
TIBC direct	µg/dL	244	183 - 305	342	256 - 428
Total Protein	g/dL	4.5	4 - 5	7.2	6.5 - 7.9
Trig-GPO	mg/dL	98	73 - 123	209	157 - 261
Uric Acid Liquid	mg/dL	5.5	4.6 - 6.4	9.9	8.2 - 11.6

	Level 1 Control		Level 2 Control		
	Units	Mean	Range	Mean	Range
	Pointe 180				
Albumin	g/dL	2.5	2.2 - 2.8	3.9	3.5 - 4.3
Direct Bilirubin	mg/dL	0.7	0.3 - 1.1	2.9	2.3 - 3.5
Total Bilirubin	mg/dL	0.9	0.5 - 1.3	5.6	4.5 - 6.7
Calcium (CPC)	mg/dL	9.3	8.3 - 10.3	13.3	12.3 - 14.3
Chloride	mEq/L	89	85 - 93	95	90 - 100
Cholesterol	mg/dL	139	125 - 153	288	259 - 317
Glucose Hex	mg/dL	91	82 - 100	272	245 - 299
Glucose Ox	mg/dL	101	91 - 111	304	274 - 334
Lactate	mmol/L	1.8	1.6 - 2.0	3.2	2.9 - 3.5
Magnesium	mg/dL	1.6	1.3 - 1.9	2.7	2.0 - 3.4
Phosphorus	mg/dL	3.5	3.1 - 3.9	6.9	6.2 - 7.6
Total Protein	g/dL	3.1	2.8 - 3.4	5.7	5.1 - 6.3
Trig-GPO	mg/dL	93	70 - 116	192	144 - 240
Uric Acid	mg/dL	4.9	4.1 - 5.7	8.9	7.4 - 10.4

	Level 1 Control		Level 2 Control		
	Units	Mean	Range	Mean	Range
	Pointe 360				
Albumin	g/dL	2.5	2.2 - 2.8	4.3	3.9 - 4.7
Alkaline Phosphatase	U/L	96	67 - 125	212	148 - 276
ALT (SGPT)	U/L	51	41 - 61	120	96 - 144
Amylase	U/L	298	209 - 387	595	416 - 774
AST (SGOT)	U/L	63	51 - 75	239	213 - 265
Calcium (AR-III)	mg/dL	9	8 - 10	11.9	10.9 - 12.9
CK/CPK	U/L	157	110 - 204	313	219 - 407
Creatinine	mg/dL	1.3	1.0 - 1.6	4.6	3.9 - 5.3
GGTP	U/L	40	28 - 52	100	80 - 120
LDH	U/L	103	82 - 124	297	238 - 356
Phosphorus	mg/dL	4.4	4.0 - 4.8	8.2	7.3 - 9.1
Total Protein	g/dL	4.2	3.8 - 4.6	7.4	6.7 - 8.1

Roche-Cobas Mira	Units	30491 exp. 06-12		30492 exp. 06-12	
		Level 1 Control		Level 2 Control	
		Mean	Range	Mean	Range
Alkaline Phosphatase	U/L	115	80 - 150	325	228 - 422
ALT (SGPT)	U/L	48	38 - 58	112	90 - 134
AST (SGOT)	U/L	61	49 - 73	220	176 - 264
BUN	mg/dL	15	13 - 17	50	45 - 55
Calcium (CPC)	mg/dL	9.6	8.6 - 10.6	13	12 - 14
Calcium (AR-III)	mg/dL	9.1	8.1 - 10.1	12.7	11.7 - 13.7
Cholesterol	mg/dL	137	123 - 151	284	256 - 312
CK/CPK	U/L	136	95 - 177	236	165 - 307
Creatinine	mg/dL	1	0.7 - 1.3	4.5	3.8 - 5.2
GGTP	U/L	34	24 - 44	100	80 - 120
Glucose Hex	mg/dL	100	90 - 110	308	277 - 339
LDH	U/L	106	85 - 127	292	234 - 350
Magnesium	mg/dL	1.4	1.1 - 1.7	2.4	1.7 - 3.1
Trig-GPO	mg/dL	95	66 - 124	205	154 - 256
Uric Acid	mg/dL	4.4	3.7 - 5.1	7.7	6.4 - 9.0