

Acceptable Response (September 10, 2008 PT Event)

Quantitative Tests Results (Acceptable Range)

Analytes	Sample NO.				
Method/ Manufacture					
Alpha-1-Antitrypsin	76	77	78	79	80
Nephelometry/Dade Behring Neph.	19 - 28	116 - 163	13 - 20	61 - 87	82 - 114
Nephelometry/ Total	17 - 33	116 - 165	10 - 24	52 - 95	56 - 129
All Method/ Total	16 - 33	101 - 189	10 - 24	47 - 109	57 - 129
Complement C'3	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	34 - 46	148 - 197	17 - 29	112 - 142	67 - 83
Nephelometry/Dade Behring Neph.	35 - 49	164 - 224	19 - 28	114 - 150	74 - 95
Turbidimetry/Roche Cobas Integra	34 - 45	149 - 178	20 - 26	114 - 136	66 - 80
Turbidimetry/Roche/Hitachi Modular	35 - 46	151 - 172	19 - 30	112 - 128	63 - 78
Nephelometry/ Total	34 - 48	143 - 223	18 - 29	111 - 148	63 - 98
Turbidimetry/ Total	30 - 50	135 - 191	18 - 30	102 - 139	61 - 82
All Method/ Total	32 - 50	125 - 218	18 - 30	100 - 149	55 - 95
Complement C'4	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	4 - 8	26 - 36	3 - 6	27 - 37	12 - 17
Nephelometry/Dade Behring Neph.	5 - 7	23 - 37	3 - 5	24 - 36	11 - 16
Turbidimetry/Roche Cobas Integra	4 - 6	20 - 27	2 - 6	23 - 29	9 - 14
Nephelometry/ Total	5 - 7	24 - 38	3 - 6	25 - 37	11 - 17
Turbidimetry/ Total	3 - 8	18 - 31	1 - 6	18 - 35	8 - 16
All Method/ Total	3 - 8	14 - 39	2 - 6	18 - 38	8 - 18
Immunoglobulin A	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	39 - 55	56 - 72	45 - 59	156 - 224	178 - 259
Nephelometry/Dade Behring Neph .	40 - 57	56 - 80	55 - 66	195 - 222	206 - 266
Turbidimetry/ Beckman Coulter Synch.	38 - 62	46 - 88	50 - 65	180 - 214	184 - 250
Turbidimetry/ Roche Cobas Integra	37 - 56	48 - 75	36 - 61	165 - 209	205 - 222
Turbidimetry/ Roche/Hitachi Modular	48 - 54	50 - 77	42 - 67	172 - 198	192 - 218
Nephelometry/ Total	39 - 57	53 - 80	40 - 72	169 - 233	183 - 274
Turbidimetry/ Total	37 - 62	50 - 81	37 - 74	161 - 216	174 - 252
All Method/ Total	37 - 59	51 - 81	38 - 75	157 - 231	172 - 269
Immunoglobulin E	81	82	83	84	85
Chemiluminescence/Bayer Advia	24 - 33	333 - 522	1 - 10	135 - 209	158 - 229
Chemiluminescence/Diag.Prod. Immulite	24 - 35	310 - 482	2 - 5	144 - 206	140 - 246
FEIA/Pharmacia Immunocap	20 - 35	347 - 476	2 - 7	139 - 184	179 - 209
Chemiluminescence/ Total	23 - 35	315 - 497	2 - 5	143 - 206	150 - 233
FEIA/ Total	22 - 34	357 - 473	2 - 7	128 - 200	162 - 228
All Method/ Total	22 - 36	290 - 529	1 - 7	129 - 209	152 - 232
Immunoglobulin G	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	193 - 322	360 - 601	217 - 362	793 - 1323	696 - 1161
Nephelometry/Dade Behring Neph .	193 - 322	382 - 638	228 - 382	806 - 1344	772 - 1288
Turbidimetry/Roche Cobas Integra	181 - 303	354 - 591	198 - 331	764 - 1275	698 - 1164
Turbidimetry/ Roche/Hitachi Modular	178 - 298	331 - 552	208 - 349	729 - 1216	657 - 1097
Nephelometry/ Total	191 - 319	368 - 614	220 - 367	796 - 1328	729 - 1216
Turbidimetry/ Total	176 - 295	354 - 576	205 - 343	749 - 1249	679 - 1133
All Method/ Total	185 - 309	356 - 595	215 - 359	772 - 1287	704 - 1175
Immunoglobulin M	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	18 - 31	18 - 29	16 - 26	84 - 116	73 - 107
Nephelometry/Dade Behring Neph .	21 - 29	19 - 26	18 - 26	97 - 127	93 - 121
Turbidimetry/Roche Cobas Integra	14 - 31	17 - 24	13 - 24	83 - 100	71 - 87
Nephelometry/ Total	20 - 31	18 - 29	16 - 27	85 - 127	69 - 128
Turbidimetry/ Total	16 - 35	13 - 33	10 - 36	72 - 121	59 - 116
All Method/ Total	18 - 33	15 - 31	14 - 30	74 - 129	60 - 127

**Acceptable Response (September 10, 2008 PT Event)
Qualitative / Quantitative Tests Results**

Analytes	Sample NO.				
	1	2	3	4	5
Syphilis - Reagin	N	N	R*	N	R*
<i>RPR Titer</i>	< 1:1	< 1:1	1:1 - 1:4	< 1:1	1:1 - 1:2
Syphilis - Treponemal	N	N	R	N	R
	6	7	8	9	10
HBcAb	N	N	R	N	N
HBsAg	N	R*	N	N	N
HBsAg Confirmation	N	R	N	N	N
	11	12	13	14	15
CMV	N	N	N	N	R
Rubella Ab	N	N	N	N	R
Rubella Ab Quantitative <i>EIA IU/ml</i>	< 5	< 5	< 5	< 5	5 - 31
<i>Chemiluminescent IU/ml</i>	< 10	< 10	< 10	< 10	9 - 23
<i>Advia Centaur IU/ml</i>	< 10	< 10	< 10	< 10	81 - 155
	16	17	18	19	20
ASO	R	R	N	N	N
ASO Quantitative <i>Latex IU/ml</i>	100 - 1600	100 - 1600	< 200	< 200	< 200
<i>Nephelometry IU/ml</i>	357 - 1123	313 - 1115	< 60	< 60	< 60
<i>Turbidimetry IU/ml</i>	182 - 1199	137 - 1198	< 65	< 65	< 65
	26	27	28	29	30
Infectious Mono.	N	R	N	N	N
Rheumatoid Factor	N	R	N	N	N
RF Quantitative					
<i>Latex (Dilution Scheme A)</i>	< 10	10 - 160	< 10	< 10	< 10
<i>Latex (Dilution Scheme B)</i>	< 1:2	1:2 - 1:16	< 1:2	< 1:2	< 1:2
<i>Nephelometry IU/ml</i>	< 20	27 - 60	< 20	< 20	< 20
<i>Turbidimetry IU/ml</i>	< 20	18 - 73	< 20	< 20	< 20
	31	32	33	34	35
HIV Ab Screening/Confirmation	N	R	N	R	N
	36	37	38	39	40
HTLV 1 Ab	N	N	R	N	N
	41	42	43	44	45
LYME Disease Ab	N	R	N	N	R
LYME Disease Ab WB IgG	N	R	N	N	R
LYME Disease Ab WB IgM	N	R*	N	N	R*
	46	47	48	49	50
ANA	N	N	N	R	N
<i>IFA Titer</i>	< 80	< 80	< 80	40 - 640	< 80
	56	57	58	59	60
Rubella IgM	R	N	R	N	N
	66	67	68	69	70
Hepatitis Be Ag	R	N	N	N	R
	71	72	73	74	75
Hepatitis C Ab	N	N	R	N	N
Hepatitis C Ab Confirmation	N	N	R	N	N

Note: R = Reactive/ Positive; I = Indeterminate; N = Non-Reactive/ Negative

* This test sample was not authenticated, because a consensus of 80% agreement was not reached. All participating laboratories received credit for this sample.