

Acceptable Response (January 20, 2010 PT Event)

Quantitative Tests Results (Acceptable Range) - For groups of 10 labs or more.

Analytes	Sample NO.				
Method/ Manufacture					
Alpha-1-Antitrypsin	76	77	78	79	80
Nephelometry/Dade Behring Neph.	45 - 67	316 - 454	28 - 44	13 - 20	112 - 165
Nephelometry/ Total	30 - 95	208 - 503	29 - 44	7 - 32	85 - 176
All Method/ Total	37 - 82	191 - 495	27 - 45	6 - 31	80 - 176
Complement C'3	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	53 - 69	215 - 342	29 - 41	20 - 24	117 - 164
Turbidimetry/Roche Cobas Integra	50 - 72	262 - 310	30 - 41	20 - 25	144 - 163
Turbidimetry/Roche HitachiModular	56 - 66	272 - 309	32 - 40	21 - 27	136 - 166
Nephelometry/ Total	51 - 74	225 - 329	29 - 42	19 - 26	120 - 165
Turbidimetry/ Total	53 - 70	232 - 337	29 - 41	16 - 29	114 - 175
All Method/ Total	49 - 74	231 - 335	29 - 42	18 - 27	117 - 172
Complement C'4	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	9 - 14	22 - 32	7 - 10	3 - 5	23 - 31
Turbidimetry/Roche Cobas Integra	7 - 11	24 - 32	6 - 9	1 - 5	22 - 29
Turbidimetry/Roche HitachiModular	7 - 10	22 - 29	5 - 7	2 - 4	21 - 27
Turbidimetry/Beckman Coulter Synch.	7 - 11	18 - 28	5 - 7	2 - 5	18 - 25
Nephelometry/ Total	8 - 14	23 - 32	3 - 11	3 - 5	22 - 31
Turbidimetry/ Total	6 - 13	19 - 35	3 - 10	1 - 5	18 - 32
All Method/ Total	5 - 14	20 - 34	3 - 11	1 - 6	19 - 32
Immunoglobulin A	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	200 - 271	150 - 186	45 - 68	93 - 132	23 - 41
Nephelometry/Dade Behring Neph.	214 - 301	158 - 213	43 - 77	103 - 140	27 - 41
Turbidimetry/ Beckman Coulter Synch.	203 - 283	138 - 191	61 - 85	103 - 140	26 - 50
Turbidimetry/ Roche Cobas Integra	216 - 266	161 - 198	48 - 69	98 - 129	23 - 41
Nephelometry/ Total	197 - 300	136 - 218	45 - 72	94 - 139	26 - 41
Turbidimetry/ Total	193 - 279	141 - 204	38 - 83	93 - 137	21 - 46
All Method/ Total	189 - 296	137 - 212	42 - 77	93 - 140	23 - 44
Immunoglobulin E	81	82	83	84	85
Chemiluminescence/Bayer Advia	147 - 244	63 - 93	195 - 371	485 - 812	2 - 10
Chemiluminescence/Diag.Prod. Immulite	190 - 249	76 - 123	251 - 394	402 - 1006	3 - 7
FEIA/Pharmacia Immucap	170 - 246	68 - 107	262 - 360	599 - 852	4 - 6
Chemiluminescence/ Total	159 - 262	56 - 130	217 - 398	430 - 941	2 - 8
FEIA/ Total	171 - 243	69 - 105	256 - 358	600 - 839	3 - 7
All Method/ Total	156 - 258	58 - 123	229 - 388	480 - 942	<10
Immunoglobulin G	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	987 - 1646	678 - 1131	279 - 466	627 - 1047	152 - 255
Nephelometry/Dade Behring Neph.	1019 - 1699	705 - 1177	279 - 466	641 - 1070	138 - 231
Turbidimetry/ Beckman Coulter Synch.	952 - 1588	638 - 1065	272 - 454	606 - 1011	131 - 219
Turbidimetry/Roche Cobas Integra	962 - 1605	661 - 1104	275 - 459	617 - 1030	140 - 234
Turbidimetry/ Roche/Hitachi Modular	898 - 1498	625 - 1043	248 - 415	592 - 988	136 - 228
Nephelometry/ Total	1002 - 1671	686 - 1145	285 - 476	640 - 1068	146 - 244
Turbidimetry/ Total	950 - 1584	651 - 1086	272 - 455	616 - 1027	135 - 226
All Method/ Total	971 - 1620	661 - 1102	277 - 463	624 - 1041	139 - 232
Immunoglobulin M	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	101 - 147	31 - 42	51 - 76	32 - 51	8 - 14
Nephelometry/Dade Behring Neph.	121 - 147	29 - 40	50 - 73	34 - 44	2 - 23
Turbidimetry/ Beckman Coulter Synch.	103 - 131	31 - 42	57 - 63	37 - 48	6 - 18
Turbidimetry/Roche Cobas Integra	108 - 141	29 - 43	52 - 73	27 - 52	1 - 25
Turbidimetry/ Roche/Hitachi Modular	100 - 139	27 - 44	48 - 70	34 - 43	11 - 13
Nephelometry/ Total	104 - 155	26 - 46	50 - 75	32 - 48	8 - 14
Turbidimetry/ Total	97 - 149	29 - 44	50 - 74	32 - 51	6 - 19
All Method/ Total	97 - 155	28 - 45	50 - 75	32 - 49	6 - 18

**Acceptable Response (January 20, 2010 PT Event)
Qualitative / Quantitative Tests Results**

Analytes	Sample NO.				
	1	2	3	4	5
Syphilis - Reagin	N	N	R	R	N
<i>RPR Titer</i>	< 1	< 1	1 - 4	2 - 8	< 1
Syphilis - Treponemal	N	N	R	R	N
	6	7	8	9	10
HBcAb	R	R	N	N	N
HBsAg	N	R	N	R *	N
HBsAg Confirmation	N	R	N	R	N
	11	12	13	14	15
CMV	R	N	N	N	N
Rubella Ab	R	N	N	N	N
Rubella Ab Quantitative <i>EIA IU/ml</i>	10 - 201	< 10	< 10	< 10	< 10
<i>Chemiluminescent IU/ml</i>	34 - 185	< 10	< 10	< 10	< 10
<i>Advia Centaur IU/ml</i>	273 - 683	< 10	< 10	< 10	< 10
	16	17	18	19	20
ASO	N	R	N	R	N
ASO Quantitative <i>Latex IU/ml</i>	< 200	100 - 1600	< 200	100 - 400	< 200
<i>Nephelometry IU/ml</i>	< 60	125 - 876	< 60	4 - 396	< 60
<i>Turbidimetry IU/ml</i>	< 100	263 - 984	< 100	90 - 399	< 100
	26	27	28	29	30
Infectious Mono.	R	N	R	N	N
Rheumatoid Factor	N	R	R	N	N
RF Quantitative					
<i>Latex (Dilution Scheme A)</i>	< 10	20 - 640	20 - 640	< 10	< 10
<i>Latex (Dilution Scheme B)</i>	< 1	2 - 64	2 - 64	< 1	< 1
<i>Nephelometry IU/ml</i>	< 20	75 - 163	37 - 229	< 20	< 20
<i>Turbidimetry IU/ml</i>	< 20	83 - 226	66 - 292	< 20	< 20
	31	32	33	34	35
HIV Ab Screening/Confirmation	N	N	R	R	N
	36	37	38	39	40
HTLV 1 Ab	N	R	N	N	N
	41	42	43	44	45
LYME Disease Ab	N	N	R (G+, M+)	N	N
LYME Disease Ab WB IgG	N	N	R	N	N
LYME Disease Ab WB IgM	N	N	R *	N	N
	46	47	48	49	50
ANA	N	N	R(s)	N	R(p)
<i>IFA Titer</i>			160 - 2560		40 - 1280
	56	57	58	59	60
Rubella IgM	R	N	N	N	N
	66	67	68	69	70
Hepatitis Be Ag	R	N	R	N	N
	71	72	73	74	75
Hepatitis C Ab	R	N	N	R	N
Hepatitis C Ab Confirmation	R	N	N	R	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.