

**Acceptable Response (May 13, 2009 PT Event)**  
**Quantitative Tests Results (Acceptable Range) - For groups of 10 labs or more.**

Analytes	Sample NO.				
Method/ Manufacture					
<b>Alpha-1-Antitrypsin</b>	76	77	78	79	80
Nephelometry/Dade Behring Neph.	76 - 113	32 - 41	14 - 19	5 - 7	271 - 419
Nephelometry/ Total	69 - 115	31 - 42	10 - 25	5 - 7	231 - 429
All Method/ Total	64 - 118	28 - 43	12 - 23	< 10	223 - 418
<b>Complement C'3</b>	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	65 - 86	27 - 41	18 - 28	23 - 36	230 - 322
Nephelometry/Dade Behring Neph.	67 - 99	29 - 43	21 - 27	24 - 37	229 - 342
Turbidimetry/Roche Cobas Integra	64 - 82	26 - 43	20 - 25	25 - 33	269 - 301
Turbidimetry/Roche HitachiModular	65 - 77	32 - 39	21 - 28	28 - 33	266 - 304
Nephelometry/ Total	62 - 96	30 - 40	20 - 28	23 - 36	228 - 330
Turbidimetry/ Total	60 - 84	27 - 44	15 - 31	22 - 37	241 - 324
All Method/ Total	58 - 90	27 - 44	18 - 30	23 - 37	237 - 327
<b>Complement C'4</b>	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	12 - 16	6 - 10	3 - 6	2 - 5	23 - 31
Nephelometry/Dade Behring Neph.	10 - 16	6 - 10	3 - 5	2 - 5	21 - 33
Turbidimetry/Roche Cobas Integra	9 - 15	4 - 10	2 - 6	1 - 5	25 - 31
Turbidimetry/Roche HitachiModular	10 - 12	5 - 7	2 - 5	2 - 4	24 - 27
Nephelometry/ Total	11 - 17	6 - 10	3 - 6	2 - 5	22 - 33
Turbidimetry/ Total	8 - 16	4 - 10	1 - 6	1 - 5	17 - 37
All Method/ Total	8 - 17	5 - 10	1 - 6	1 - 5	18 - 36
<b>Immunoglobulin A</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	63 - 88	90 - 128	191 - 260	150 - 212	40 - 60
Nephelometry/Dade Behring Neph.	74 - 97	95 - 144	218 - 316	183 - 234	42 - 68
Turbidimetry/ Beckman Coulter Synch.	72 - 98	113 - 124	223 - 266	160 - 205	47 - 76
Turbidimetry/ Roche Cobas Integra	68 - 83	99 - 130	221 - 258	181 - 218	43 - 58
Turbidimetry/ Roche/Hitachi Modular	47 - 97	93 - 115	210 - 234	169 - 199	47 - 55
Nephelometry/ Total	60 - 101	89 - 140	176 - 319	142 - 248	37 - 66
Turbidimetry/ Total	58 - 101	92 - 136	197 - 275	154 - 226	35 - 72
All Method/ Total	59 - 102	91 - 138	187 - 294	148 - 237	36 - 69
<b>Immunoglobulin E</b>	81	82	83	84	85
Chemiluminescence/Bayer Advia	42 - 61	497 - 797	177 - 235	25 - 42	210 - 305
Chemiluminescence/Diag.Prod. Immulite	38 - 76	441 - 1014	180 - 262	30 - 50	183 - 372
FEIA/Pharmacia Immunocap	38 - 62	470 - 935	144 - 246	27 - 43	176 - 315
Chemiluminescence/ Total	37 - 72	439 - 965	177 - 256	24 - 52	196 - 342
FEIA/ Total	39 - 62	494 - 922	149 - 247	28 - 42	184 - 310
All Method/ Total	36 - 70	437 - 977	142 - 270	23 - 51	175 - 344
<b>Immunoglobulin G</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	305 - 509	635 - 1059	961 - 1603	724 - 1207	241 - 404
Nephelometry/Dade Behring Neph.	319 - 532	649 - 1083	1022 - 1704	751 - 1253	246 - 411
Turbidimetry/ Beckman Coulter Synch.	295 - 493	603 - 1007	965 - 1609	694 - 1158	228 - 381
Turbidimetry/Roche Cobas Integra	297 - 497	619 - 1033	961 - 1603	715 - 1193	230 - 385
Turbidimetry/ Roche/Hitachi Modular	270 - 451	582 - 972	889 - 1482	673 - 1124	220 - 368
Nephelometry/ Total	312 - 521	639 - 1067	986 - 1645	740 - 1234	242 - 405
Turbidimetry/ Total	293 - 489	604 - 1009	942 - 1571	693 - 1157	229 - 384
All Method/ Total	300 - 502	618 - 1032	958 - 1598	710 - 1184	235 - 392
<b>Immunoglobulin M</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	30 - 45	34 - 48	107 - 144	26 - 36	63 - 75
Nephelometry/Dade Behring Neph.	30 - 47	31 - 42	122 - 159	22 - 38	61 - 73
Turbidimetry/ Beckman Coulter Synch.	34 - 43	39 - 48	112 - 125	27 - 35	57 - 71
Turbidimetry/Roche Cobas Integra	26 - 47	25 - 49	108 - 132	17 - 37	58 - 75
Turbidimetry/ Roche/Hitachi Modular	24 - 49	23 - 53	105 - 131	20 - 38	59 - 76
Nephelometry/ Total	30 - 46	27 - 50	103 - 164	24 - 38	55 - 80
Turbidimetry/ Total	26 - 49	25 - 57	100 - 139	16 - 44	53 - 81
All Method/ Total	28 - 48	25 - 55	91 - 163	21 - 39	55 - 79

**Acceptable Response (May 13, 2009 PT Event)**  
**Qualitative / Quantitative Tests Results**

Analytes	Sample NO.				
	1	2	3	4	5
<b>Syphilis - Reagin</b>	N	R	N	R	N
<i>RPR Titer</i>	< 1	1 - 4	< 1	2 - 8	< 1
<b>Syphilis - Treponemal</b>	N	R	N	R	N
	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>HBcAb</b>	N	N	N	R	R
<b>HBsAg</b>	N	N	N	R	N
<b>HBsAg Confirmation</b>	N	N	N	R	N
	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>CMV</b>	R	R	N	N	N
<b>Rubella Ab</b>	R	R	N	N	N
<b>Rubella Ab Quantitative</b> <i>EIA IU/ml</i>	11 - 79	8 - 37	< 8	< 8	< 8
<i>Chemiluminescent IU/ml</i>	29 - 73	8 - 22	< 10	< 10	< 10
<i>Advia Centaur IU/ml</i>	440 - 552	58 - 128	< 5	< 5	< 5
	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>ASO</b>	N	N	R	N	R
<b>ASO Quantitative</b> <i>Latex IU/ml</i>	< 200	< 200	200 - 1600	< 200	200 - 1600
<i>Nephelometry IU/ml</i>	< 100	< 100	147 - 902	< 100	127 - 961
<i>Turbidimetry IU/ml</i>	< 100	< 100	281 - 1045	< 100	283 - 1052
	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>Infectious Mono.</b>	N	N	R	R	N
<b>Rheumatoid Factor</b>	N	N	R	R	N
<b>RF Quantitative</b>					
<i>Latex (Dilution Scheme A)</i>	< 20	< 20	40 - 640	20 - 640	< 20
<i>Latex (Dilution Scheme B)</i>	< 2	< 2	4 - 64	2 - 64	< 2
<i>Nephelometry IU/ml</i>	< 20	< 20	96 - 342	40 - 212	< 20
<i>Turbidimetry IU/ml</i>	< 20	< 20	99 - 362	70 - 197	< 20
	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>HIV Ab Screening/Confirmation</b>	R	N	N	N	R
	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
<b>HTLV 1 Ab</b>	N	R	N	N	R
	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>
<b>LYME Disease Ab</b>	R	N	N	N	R
<b>LYME Disease Ab WB IgG</b>	R	N	N	N	R
<b>LYME Disease Ab WB IgM</b>	R *	N	N	N	N *
	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
<b>ANA</b>	R	R	N	N	N
<i>IFA Titer</i>	160 - 2560	40 - 1280	< 40	< 40	< 40
	<b>56</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>
<b>Rubella IgM</b>	N	N	N	R	N
	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>
<b>Hepatitis Be Ag</b>	R	N	R	N	N
	<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>
<b>Hepatitis C Ab</b>	N	N	R	N	R
<b>Hepatitis C Ab Confirmation</b>	N	N	R	N	R

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.