

**Acceptable Response (January 14, 2009 PT Event)**

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

Analytes Method/ Manufacture	Sample NO.				
	76	77	78	79	80
<b>Alpha-1-Antitrypsin</b>	76	77	78	79	80
Nephelometry/Dade Behring Neph.	12 - 20	78 - 117	70 - 97	21 - 42	4 - 8
Nephelometry/ Total	9 - 26	79 - 111	63 - 104	30 - 43	4 - 8
All Method/ Total	7 - 27	67 - 119	62 - 106	27 - 44	4 - 8
<b>Complement C'3</b>	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	21 - 27	66 - 85	85 - 116	28 - 42	26 - 32
Nephelometry/Dade Behring Neph.	19 - 29	76 - 96	102 - 121	31 - 42	25 - 36
Turbidimetry/Roche Cobas Integra	20 - 26	64 - 81	87 - 108	27 - 42	25 - 33
Nephelometry/ Total	19 - 29	61 - 100	85 - 126	28 - 43	25 - 34
Turbidimetry/ Total	18 - 31	60 - 84	78 - 116	28 - 42	22 - 38
All Method/ Total	18 - 31	55 - 95	77 - 124	28 - 43	23 - 37
<b>Complement C'4</b>	76	77	78	79	80
Nephelometry/Beckman Coulter Immage	3 - 6	12 - 16	16 - 22	7 - 9	3 - 5
Nephelometry/Dade Behring Neph.	3 - 6	11 - 16	15 - 21	6 - 9	2 - 5
Turbidimetry/Roche Cobas Integra	1 - 6	9 - 14	12 - 18	4 - 9	1 - 5
Nephelometry/ Total	3 - 6	11 - 17	15 - 23	6 - 10	2 - 5
Turbidimetry/ Total	1 - 6	8 - 16	11 - 21	4 - 10	1 - 5
All Method/ Total	2 - 6	8 - 18	11 - 23	4 - 10	1 - 5
<b>Immunoglobulin A</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	194 - 260	39 - 54	44 - 60	177 - 237	88 - 119
Nephelometry/Dade Behring Neph.	207 - 296	42 - 57	52 - 70	203 - 257	101 - 128
Turbidimetry/ Beckman Coulter Synch.	222 - 253	39 - 64	44 - 73	195 - 225	96 - 128
Turbidimetry/ Roche Cobas Integra	203 - 252	39 - 55	42 - 58	182 - 226	84 - 118
Turbidimetry/ Roche/Hitachi Modular	163 - 265	36 - 60	40 - 68	168 - 210	81 - 117
Nephelometry/ Total	190 - 289	38 - 58	39 - 73	178 - 257	86 - 130
Turbidimetry/ Total	184 - 272	37 - 59	38 - 73	163 - 240	81 - 130
All Method/ Total	183 - 284	38 - 59	38 - 74	163 - 255	82 - 132
<b>Immunoglobulin E</b>	81	82	83	84	85
Chemiluminescence/Bayer Advia	180 - 232	21 - 35	1 - 8	163 - 207	587 - 782
Chemiluminescence/Diag.Prod. Immulite	155 - 273	24 - 36	2 - 5	158 - 224	474 - 770
FEIA/Pharmacia Immucap	148 - 242	20 - 34	2 - 6	137 - 215	502 - 816
Chemiluminescence/ Total	172 - 249	21 - 36	1 - 6	155 - 221	485 - 795
FEIA/ Total	172 - 219	20 - 34	2 - 7	151 - 207	527 - 819
All Method/ Total	150 - 255	20 - 36	1 - 7	141 - 225	483 - 823
<b>Immunoglobulin G</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	932 - 1555	188 - 315	213 - 356	732 - 1222	583 - 973
Nephelometry/Dade Behring Neph.	953 - 1589	189 - 316	224 - 373	780 - 1301	612 - 1020
Turbidimetry/ Beckman Coulter Synch.	928 - 1547	174 - 290	208 - 348	728 - 1215	558 - 930
Turbidimetry/Roche Cobas Integra	927 - 1547	177 - 296	201 - 336	736 - 1227	566 - 945
Turbidimetry/ Roche/Hitachi Modular	869 - 1450	171 - 286	203 - 339	691 - 1153	546 - 911
Nephelometry/ Total	949 - 1583	190 - 319	220 - 368	759 - 1266	597 - 996
Turbidimetry/ Total	920 - 1535	178 - 297	206 - 344	719 - 1199	561 - 935
All Method/ Total	931 - 1553	183 - 306	214 - 357	737 - 1229	578 - 965
<b>Immunoglobulin M</b>	81	82	83	84	85
Nephelometry/Beckman Coulter Immage	99 - 143	20 - 30	17 - 27	80 - 112	30 - 47
Nephelometry/Dade Behring Neph.	117 - 148	22 - 27	18 - 26	95 - 122	26 - 45
Turbidimetry/ Beckman Coulter Synch.	108 - 123	22 - 30	12 - 35	86 - 99	34 - 46
Turbidimetry/Roche Cobas Integra	96 - 132	15 - 31	12 - 35	71 - 96	21 - 46
Turbidimetry/ Roche/Hitachi Modular	104 - 128	14 - 42	20 - 28	76 - 101	24 - 45
Nephelometry/ Total	103 - 150	21 - 30	17 - 26	79 - 124	28 - 46
Turbidimetry/ Total	98 - 132	20 - 31	12 - 35	66 - 116	19 - 57
All Method/ Total	86 - 160	21 - 30	15 - 30	63 - 131	26 - 49

**Acceptable Response (January 14, 2009 PT Event)**  
**Qualitative / Quantitative Tests Results**

Analytes	Sample NO.				
	1	2	3	4	5
<b>Syphilis - Reagin</b>	R	N	N	R	N
<i>RPR Titer</i>	1 - 16	< 1	< 1	1 - 16	< 1
<b>Syphilis - Treponemal</b>	R	N	N	R	N
	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>HBcAb</b>	R	R	N	N	N
<b>HBsAg</b>	R	N	R	N	N
<b>HBsAg Confirmation</b>	R	N	R	N	N
	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>CMV</b>	N	N	R	R	N
<b>Rubella Ab</b>	N	N	R	R	N
<b>Rubella Ab Quantitative</b> <i>EIA IU/ml</i>	< 5	< 5	22 - 86	8 - 32	< 5
<i>Chemiluminescent IU/ml</i>	< 10	< 10	28 - 98	12 - 20	< 10
<i>Advia Centaur IU/ml</i>	< 10	< 10	283 - 683	85 - 155	< 10
	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>ASO</b>	N	R	N	R	N
<b>ASO Quantitative</b> <i>Latex IU/ml</i>	< 200	200 - 1600	< 200	200 - 1600	< 200
<i>Nephelometry IU/ml</i>	< 100	195 - 1109	< 100	69 - 976	< 100
<i>Turbidimetry IU/ml</i>	< 100	358 - 1156	< 100	292 - 1000	< 100
	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>Infectious Mono.</b>	R	N	N	N	R
<b>Rheumatoid Factor</b>	R	N	N	N	R
<b>RF Quantitative</b>					
<i>Latex (Dilution Scheme A)</i>	20 - 1280	< 20	< 20	< 20	20 - 640
<i>Latex (Dilution Scheme B)</i>	2 - 128	< 2	< 2	< 2	2 - 64
<i>Nephelometry IU/ml</i>	120 - 367	< 20	< 20	< 20	71 - 375
<i>Turbidimetry IU/ml</i>	72 - 492	< 20	< 20	< 20	102 - 453
	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>HIV Ab Screening/Confirmation</b>	N	R	R	N	N
	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
<b>HTLV 1 Ab</b>	R	N	N	R	N
	<b>41</b>	<b>42</b>	<b>43 *</b>	<b>44 *</b>	<b>45</b>
<b>LYME Disease Ab</b>	N	N	R	R	N
<b>LYME Disease Ab WB IgG</b>	N	N	R	R	N
<b>LYME Disease Ab WB IgM</b>	N	N	R	R	N
	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
<b>ANA</b>	N	N	R	N	R
<i>IFA Titer</i>	< 40	< 40	160 - 2560	<40	40 - 1280
	<b>56</b>	<b>57</b>	<b>58</b>	<b>59</b>	<b>60</b>
<b>Rubella IgM</b>	N	N	N	N	R
	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>
<b>Hepatitis Be Ag</b>	N	R	N	R	N
	<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>
<b>Hepatitis C Ab</b>	R	N	N	R	N
<b>Hepatitis C Ab Confirmation</b>	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.