

**Acceptable Response (January 18, 2006 PT Event)**  
**Quantitative Tests Results (Acceptable Range)**

<b>Analytes</b>	<b>Sample NO.</b>				
<b>Method/ Manufacture</b>					
<b>Alpha-1-Antitrypsin</b>	76	77	78	79	80
Nephelometry/Beckman	< 10	348 - 516	249 - 367	305 - 578	68 - 121
Nephelometry/Behring	< 17	277 - 677	277 - 595	289 - 648	64 - 108
Nephelometry/ Total	< 17	361 - 511	150 - 610	354 - 515	63 - 115
Turbidimetry/ Total	< 36	379 - 483	258 - 355	373 - 488	73 - 99
<b>Complement C'3</b>	76	77	78	79	80
Nephelometry/Beckman	23 - 44	356 - 527	262 - 363	353 - 524	35 - 48
Nephelometry/Behring	25 - 41	390 - 567	279 - 414	370 - 577	35 - 49
Turbidimetry/Behring	21 - 54	344 - 582	263 - 365	380 - 535	35 - 52
Turbidimetry/Roche	28 - 36	424 - 526	287 - 328	422 - 523	38 - 46
Nephelometry/ Total	26 - 42	359 - 554	250 - 401	356 - 552	35 - 49
Turbidimetry/ Total	22 - 46	341 - 593	253 - 369	348 - 577	33 - 52
<b>Complement C'4</b>	76	77	78	79	80
Nephelometry/Beckman	< 16	80 - 135	57 - 82	81 - 141	< 16
Nephelometry/Behring	< 10	73 - 128	57 - 85	74 - 125	< 10
Turbidimetry/Roche	< 6	92 - 108	59 - 71	86 - 111	< 8
Nephelometry/ Total	< 16	72 - 140	56 - 88	73 - 140	< 16
Turbidimetry/ Total	< 18	79 - 125	52 - 77	69 - 132	< 18
<b>Immunoglobulin A</b>	81	82	83	84	85
Nephelometry/Beckman	243 - 299	503 - 6936	414 - 533	115 - 153	427 - 531
Nephelometry/Behring	229 - 317	516 - 721	441 - 725	127 - 183	460 - 715
Turbidimetry/Roche	226 - 289	492 - 666	397 - 531	103 - 141	410 - 515
Nephelometry/ Total	227 - 308	512 - 702	333 - 716	104 - 180	326 - 732
Turbidimetry/ Total	207 - 308	460 - 710	377 - 529	86 - 162	387 - 545
<b>Immunoglobulin E</b>	81	82	83	84	85
Chemiluminescence/Bayer	3694 - 4997	393 - 462	477 - 868	< 10	505 - 821
Chemiluminescence/Diag.Prod.Co.	2656 - 4051	299 - 483	475 - 766	< 10	455 - 838
FEIA/Pharmacia	2886 - 3735	320 - 534	459 - 838	< 10	458 - 880
Nephelometry/Behring	3416 - 3758	406 - 455	680 - 751	< 20	685 - 780
Chemiluminescence/ Total	1869 - 5411	288 - 517	466 - 808	< 10	471 - 831
FEIA/ Total	2198 - 4039	345 - 513	501 - 831	<10	595 - 781
Nephelometry/ Total	3270 - 3901	271 - 581	475 - 889	<20	550 - 849
<b>Immunoglobulin G</b>	81	82	83	84	85
Nephelometry/Beckman	1246 - 2147	1800 - 3046	1392 - 2396	2572 - 4414	1401 - 2416
Nephelometry/Behring	1341 - 2274	2246 - 3750	1547 - 2645	2877 - 4850	1534 - 2558
Turbidimetry/Roche	1220 - 2140	1728 - 3194	1317 - 2343	2614 - 4855	1355 - 2395
Nephelometry/ Total	1306 - 2177	2009 - 3350	1489 - 2482	2762 - 4605	1499 - 2499
Turbidimetry/ Total	1281 - 2137	1888 - 3147	1404 - 2341	2806 - 4678	1431 - 2387
<b>Immunoglobulin M</b>	81	82	83	84	85
Nephelometry/Beckman	86 - 118	180 - 284	241 - 341	49 - 68	250 - 327
Nephelometry/Behring	91 - 128	267 - 346	311 - 433	39 - 75	328 - 470
Turbidimetry/Roche	76 - 100	147 - 236	215 - 289	42 - 60	231 - 286
Nephelometry/ Total	79 - 133	112 - 410	174 - 478	41 - 73	164 - 500
Turbidimetry/ Total	77 - 106	109 - 287	214 - 307	37 - 64	217 - 314

**Acceptable Response (January 18, 2006 PT Event)  
Qualitative / Quantitative Tests Results**

Analytes	Sample NO.				
	1	2	3	4	5
<b>Syphilis - Reagin Ab</b>	N	N	N	R	R
<i>RPR Titer</i>				1 - 8	2 - 16
<b>Syphilis - Treponemal</b>	N	N	N	R	R
	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>HBcAb</b>	R	N	N	R	N
<b>HBsAg</b>	R	N	N	R	N
	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>CMV</b>	N	R	R	R	N
<b>Rubella Ab</b>	N	R	R*	N	N
	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>ASO</b>	N	R	R	N	N
<i>Latex Agglutination as IU/ml</i>		100 - 1600	100 - 1600		
	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
<b>Infectious Mono.</b>	N	R	N	N	N
<i>Latex Agglutination Titer</i>		4 - 64			
<b>Rheumatoid Factor</b>	N	R	N	N	N
<i>Latex Agglutination Titer</i>		16 -512			
<i>Latex Agglutination as IU/ml</i>		160 - 5120			
	<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>
<b>HIV Ab Screening/Confirmation</b>	N	N	N	R	N
	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
<b>HTLV 1 Ab</b>	N	R	N	N	N
	<b>41</b>	<b>42</b>	<b>43</b>	<b>44</b>	<b>45</b>
<b>LYME Disease Ab</b>	N	R	R	R	N
<b>LYME Disease Ab WB IgG</b>	N	R	R	R	N
<b>LYME Disease Ab WB IgM</b>	N	R	N	N	N
	<b>46</b>	<b>47</b>	<b>48</b>	<b>49</b>	<b>50</b>
<b>ANA</b>	N	N	N	R	R
<i>EIA/ IFA Titer</i>				160 - 5120	40 - 640
	<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>61</b>	<b>62</b>	<b>63</b>	<b>64</b>	<b>65</b>
<b>HIV p24 Ag</b>	N	R	N	N	N
	<b>66</b>	<b>67</b>	<b>68</b>	<b>69</b>	<b>70</b>
<b>HBeAg</b>	R	R	N	N	N
	<b>71</b>	<b>72</b>	<b>73</b>	<b>74</b>	<b>75</b>
<b>Hepatitis C Ab</b>	N	N	N	N	R

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

\* Test sample was not authenticated - because a consensus of 80% agreement was not reached. All participating laboratories received credit for this sample.