

Acceptable Response (January 21, 2004 PT Event)

Quantitative Tests Results (Acceptable Range)

Analytes/ Method/ Manufacture	Sample NO.				
Alpha-1-Antitrypsin	76	77	78	79	80
Nephelometry/Beckman	131 - 206	319 - 548	102 - 156	81 - 139	173 - 216
Nephelometry/Behring	125 - 191	367 - 588	112 - 149	94 - 131	228 - 307
Others	109 - 182	304 - 501	105 - 149	87 - 135	74 - 303
Total *	117 - 200	299 - 585	107 - 157	89 - 133	121 - 332
Complement C'3	76	77	78	79	80
Nephelometry/Beckman	137 - 225	319 - 527	34 - 46	77 - 110	154 - 244
Nephelometry/Behring	160 - 235	383 - 541	31 - 42	79 - 109	205 - 284
Turbidmetry/Roche	170 - 243	390 - 597	31 - 51	97 - 130	182 - 244
Others	132 - 255	257 - 616	16 - 72	37 - 154	126 - 276
Total *	147 - 237	300 - 590	24 - 54	65 - 127	143 - 284
Complement C'4	76	77	78	79	80
Nephelometry/Beckman	24 - 45	81 - 146	< 10	< 10	30 - 57
Nephelometry/Behring	21 - 33	69 - 104	< 10	< 10	28 - 49
Turbidmetry/Roche	28 - 33	91 - 105	< 10	< 10	34 - 41
Others	12 - 49	55 - 128	< 10	< 10	25 - 49
Total *	19 - 43	56 - 138	< 10	< 10	24 - 56
Immunoglobulin A	81	82	83	84	85
Nephelometry/Beckman	699 - 933	< 25	< 25	78 - 102	< 25
Nephelometry/Behring	647 - 866	< 25	< 25	71 - 107	< 25
Turbidmetry/Backmen	482 - 830	< 25	< 25	75 - 111	< 25
Turbidmetry/Roche	669 - 873	< 25	< 25	73 - 101	< 25
Others	520 - 945	< 25	< 25	59 - 123	< 25
Total *	596 - 956	< 25	< 25	69 - 110	< 25
Immunoglobulin E	81	82	83	84	85
Chemiluminescence/Diag. Prod. Co.	160 - 280	107 - 168	< 5	19 - 31	< 5
Chemiluminescence/Bayer	174 - 245	89 - 131	< 5	17 - 22	< 5
Fluoroimmunoassay/Pharmacia	153 - 282	85 - 141	< 5	20 - 33	< 5
Nephelometry/Behring	210 - 356	113 - 180	< 5	14 - 34	< 5
Others	137 - 294	78 - 175	< 5	10 - 37	< 5
Total *	136 - 311	80 - 178	< 5	13 - 34	< 5
Immunoglobulin G	81	82	83	84	85
Nephelometry/Beckman	590-1027	< 200	1622-2830	421 - 744	1616-2799
Nephelometry/Behring	645- 1078	< 250	1640-2779	430 - 728	1628-2754
Turbidmetry/Roche	601-1089	< 309	1709-2941	422 - 755	1701-2917
Others	623 - 1039	< 309	1684 - 2807	430 - 716	1711 - 2852
Total *	624-1041	< 309	1682-2804	430 - 717	1672-2787
Immunoglobulin M	81	82	83	84	85
Nephelometry/Beckman	73 - 98	< 25	< 25	30 - 50	< 25
Nephelometry/Behring	76 - 106	< 20	< 20	34 - 45	< 20
Turbidmetry/Roche	75 - 105	< 10	< 10	25 - 45	< 10
Others	57 - 126	< 25	< 25	25 - 53	< 25
Total *	51 - 128	< 25	< 25	26 - 51	< 25

* Obtained using results from all participants. Used for grading of results where less than 6 laboratories