Lipids

Name	Line No.	Specimen 1 Range & Type	Specimen 1 Mean	Specimen 1 SD	Specimen 2 Range & Type	Specimen 2 Mean	Specimen 2 SD	Specimen 3 Range & Type	Specimen 3 Mean	Specimen 3 SD	Specimen 4 Range & Type	Specimen 4 Mean	Specimen 4 SD	Specimen 5 Range & Type	Specimen 5 Mean	Specimen 5 SD	No. of Labs
Apolipoprotein A1																	
Initial Grouping by Reagent and Instrument																	
Roche Cobas & Roche Cobas 6000, 8000	1	71 - 131	P 100.8	9.3	0 - 47	C 21.8	3.0	24 - 74	C 48.8	4.8	175 - 325	P 250.3	22.9	113 - 210	P 161.5	18.1	4
Initial Grouping by Reagent																	
Beckman Olympus	2	74 - 138	P 105.8	4.0	10 - 60	C 34.7	7.5	21 - 71	C 45.8	1.1	182 - 338	P 260.3	16.1	115 - 213	P 163.8	6.6	4
Roche Cobas	3	71 - 131	P 100.8	9.3	0 - 47	C 21.8	3.0	24 - 74	C 48.8	4.8	175 - 325	P 250.3	22.9	113 - 210	P 161.5	18.1	4
Initial Grouping by Sensitivity or Principle																	
Standardized	4	72 - 134	P 103.0	7.2	2 - 52	C 27.1	7.9	23 - 73	C 47.7	3.8	180 - 334	P 257.1	19.9	112 - 208	P 160.0	14.9	9
Total Population																	
Whole Population	5	71 - 132	P 101.2	8.8	1 - 51	C 25.8	6.9	22 - 72	C 47.4	3.6	174 - 323	P 248.2	24.6	110 - 205	P 157.6	15.8	13
Apolipoprotein B																	
Initial Grouping by Reagent and Instrument																	
Roche Cobas & Roche Cobas 6000, 8000	1	24 - 64	C 43.5	1.1	0 - 37	C 17.3	4.8	2 - 42	C 22.0	1.4	90 - 151	P 120.5	1.5	46 - 86	C 66.3	2.4	4
Initial Grouping by Reagent																	
Beckman Olympus	2	21 - 61	C 40.8	1.2	6 - 46	C 26.2	11.9	9 - 49	C 29.4	8.7	78 - 131	P 104.4	10.3	39 - 79	C 59.4	4.8	5
Roche Cobas	3	24 - 64	C 43.5	1.1	0 - 37	C 17.3	4.8	2 - 42	C 22.0	1.4	90 - 151	P 120.5	1.5	46 - 86	C 66.3	2.4	4
Initial Grouping by Sensitivity or Principle																	
Spectrophotometric	4	22 - 62	C 42.1	3.6	0 - 38	C 18.4	10.1	5 - 45	C 25.1	7.1	86 - 143	P 114.1	10.9	44 - 84	C 63.6	7.0	14
Total Population																	
Whole Population	5	22 - 62	C 41.9	3.3	0 - 40	C 19.7	10.8	6 - 46	C 25.8	7.5	86 - 143	P 114.1	11.6	43 - 83	C 63.2	6.8	17
HDL Cholesterol																	
Initial Grouping by Reagent and Instrument																	
Abbott & Abbott Architect c, ci, i	1	19 - 35	P 27.1	1.2	6 - 10	P 7.9	1.1	10 - 19	P 14.4	1.2	43 - 80	P 61.5	2.7	28 - 52	P 39.9	1.5	16
Alfa Wassermann & Alfa Wasser Axcel/Alera	2	20 - 38	P 29.0	1.7	6 - 11	P 8.8	0.8	11 - 20	P 15.7	1.3	43 - 81	P 62.1	1.7	29 - 54	P 41.4	1.6	9
Beck Oly direct/homogeneous & Beck Olym AU 400/600/5400	3	18 - 33	P 25.5	1.7	5 - 8	P 6.5	0.6	9 - 16	P 12.6	0.8	43 - 80	P 61.6	3.4	27 - 50	P 38.7	2.5	17
Beck Oly direct/homogeneous & Beckman AU 480	4	18 - 34	P 26.1	1.8	5 - 9	P 6.6	0.7	9 - 17	P 13.1	1.1	44 - 81	P 62.5	4.0	28 - 51	P 39.5	2.3	13
Beckman Coulter DXC & Beck Coult Unicel DXC	5	17 - 32	P 24.8	0.8	5 - 8	P 6.5	0.5	9 - 16	P 12.3	0.4	42 - 78	P 60.0	1.0	27 - 50	P 38.3	0.8	4
Beckman Coulter DXC & Beckman AU 480	6	19 - 36	P 27.8	1.5	5 - 10	P 7.5	1.1	10 - 18	P 14.0	0.7	46 - 86	P 66.0	5.2	29 - 54	P 41.8	3.0	4
Beckman direct detergent & Beck Olym AU 400/600/5400	7	17 - 32	P 24.3	1.2	4 - 8	P 6.1	0.6	9 - 16	P 12.2	0.6	42 - 78	P 60.0	3.8	26 - 49	P 37.4	2.1	9
Beckman direct detergent & Beckman AU 480	8	18 - 33	P 25.4	2.4	4 - 8	P 5.8	1.2	9 - 16	P 12.2	1.0	44 - 82	P 63.4	5.7	27 - 50	P 38.6	2.6	5
Horiba ABX & Horiba ABX 400	9	17 - 32	P 24.8	1.5	4 - 8	P 6.2	0.7	9 - 16	P 12.4	1.0	41 - 75	P 58.0	3.0	26 - 48	P 37.2	1.9	5
Ortho Vitros dHDL & Ortho Vitros 3600, 5600	10	14 - 25	P 19.5	1.1	4 - 7	P 5.7	0.5	7 - 13	P 10.0	0.7	40 - 75	P 57.8	3.6	23 - 42	P 32.4	1.7	21
Ortho Vitros dHDL & Ortho Vitros not DT or ECi	11	14 - 25	P 19.4	1.1	4 - 7	P 5.5	0.5	7 - 13	P 9.9	0.5	39 - 73	P 55.9	3.8	22 - 41	P 31.9	1.9	17
Roche 4th Gen & Roche Cobas 6000, 8000	12	16 - 30	P 23.4	1.9	4 - 8	P 6.0	0.5	8 - 15	P 11.9	1.3	32 - 60	P 45.9	4.1	23 - 44	P 33.5	3.2	8
Roche 4th Gen & Roche Cobas Integra	13	16 - 30	P 23.4	1.4	4 - 8	P 6.0	0.6	8 - 16	P 12.0	0.9	33 - 61	P 46.8	2.8	24 - 44	P 33.8	1.9	5
Roche 4th Gen & Roche e/c, 1XX, X000, Elec series	14	16 - 29	P 22.3	1.2	4 - 8	P 5.8	0.4	8 - 15	P 11.5	0.8	32 - 59	P 45.2	2.2	23 - 42	P 32.5	1.3	6
Roche HDL-C & Roche e/c, 1XX, X000, Elec series	15	16 - 29	P 22.6	0.5	4 - 8	P 5.8	0.4	8 - 15	P 11.6	0.5	32 - 59	P 45.4	1.4	23 - 43	P 32.8	0.7	5
Siem Dimens AHDL, Lot DF48B & Siemens Dimension EXL	16	16 - 29	P 22.2	1.1	6 - 11	P 8.4	1.0	9 - 17	P 13.0	1.1	22 - 41	P 31.9	2.4	21 - 40	P 30.6	1.1	26
Siem Dimens AHDL, Lot DF48B & Siemens Dimension Xpand	17	15 - 28	P 21.9	0.6	6 - 11	P 8.1	0.8	9 - 16	P 12.4	0.7	20 - 38	P 29.0	2.5	21 - 39	P 30.3	1.3	7
Siemens Dimension Flex & Siemens Dimension EXL	18	16 - 29	P 22.6	2.9	6 - 11	P 8.4	1.7	9 - 17	P 12.9	0.9	22 - 41	P 31.6	2.9	22 - 41	P 31.9	5.9	23
Siemens Dimension Flex & Siemens Dimension Xpand	19	15 - 28	P 21.5	0.9	6 - 10	P 7.9	0.6	9 - 16	P 12.5	0.7	22 - 41	P 31.4	1.5	21 - 39	P 30.0	0.5	8
Sterling Diagnostic & Other spectrophotometers	20	17 - 31	P 24.1	7.1	7 - 12	P 9.4	0.9	10 - 18	P 13.7	0.9	34 - 64	P 48.9	1.1	23 - 43	P 33.3	1.7	7
Sterling Diagnostic & Pointe Sci 180/Sterl 2000	21	17 - 31	P 24.0	2.6	6 - 11	P 8.2	0.9	9 - 17	P 12.8	1.6	33 - 60	P 46.5	2.8	23 - 43	P 32.8	2.3	6
Synermed & Synermed IR500, IR1200	22	17 - 31	P 24.2	1.9	4 - 8	P 6.4	0.5	8 - 16	P 12.0	1.3	39 - 72	P 55.4	3.2	25 - 47	P 36.2	2.4	5

Initial Grouping by Reagent																	
Abbott	23	19 - 35	P 27.1	1.2	6 - 10	P 7.9	1.1	10 - 19	P 14.4	1.2	43 - 80	P 61.5	2.7	28 - 52	P 39.9	1.5	16
Alfa Wassermann	24	20 - 38	P 29.0	1.7	6 - 11	P 8.8	0.8	11 - 20	P 15.7	1.3	43 - 81	P 62.1	1.7	29 - 54	P 41.4	1.6	9
Beck Oly direct/homogeneous	25	18 - 33	P 25.7	1.7	5 - 8	P 6.5	0.7	9 - 17	P 12.8	0.9	43 - 81	P 62.0	3.7	27 - 51	P 39.0	2.4	32
Beckman Coulter DXC	26	19 - 34	P 26.5	1.7	5 - 9	P 6.8	0.9	9 - 17	P 13.1	0.9	45 - 83	P 63.6	4.2	28 - 53	P 40.5	2.6	11
Beckman direct detergent	27	17 - 32	P 24.9	1.8	4 - 8	P 6.1	0.9	9 - 16	P 12.4	0.9	43 - 80	P 61.4	4.6	27 - 50	P 38.1	2.3	16
Carolina	28	21 - 39	P 30.0	3.4	5 - 10	P 7.7	1.6	10 - 18	P 13.6	1.5	51 - 94	P 72.6	6.0	31 - 58	P 44.9	3.8	7
Diazyme	29	18 - 33	P 25.0	1.6	4 - 8	P 6.0	0.0	9 - 16	P 12.3	0.8	38 - 71	P 54.3	2.6	26 - 49	P 37.8	2.3	4
Horiba ABX	30	17 - 32	P 24.8	1.5	4 - 8	P 6.2	0.7	9 - 16	P 12.4	1.0	41 - 75	P 58.0	3.0	26 - 48	P 37.2	1.9	5
Ortho Vitros dHDL	31	14 - 25	P 19.5	1.0	4 - 8	P 5.8	1.5	7 - 13	P 10.0	1.0	40 - 74	P 57.0	3.6	23 - 42	P 32.2	1.8	42
Pointe Sci PEG-based	32	14 - 27	P 20.5	2.1	5 - 9	P 7.3	0.8	8 - 14	P 10.8	1.1	25 - 46	P 35.5	3.2	19 - 35	P 26.8	1.6	4
Pointe Sci autoHDL	33	16 - 29	P 22.3	3.7	3 - 6	P 4.8	1.5	7 - 14	P 10.5	2.3	34 - 64	P 49.0	6.8	24 - 45	P 34.5	4.5	4
Roche 4th Gen	34	16 - 30	P 23.1	1.6	4 - 8	P 5.9	0.5	8 - 15	P 11.8	1.1	32 - 60	P 45.9	3.3	23 - 43	P 33.3	2.4	19
Roche HDL-C	35	16 - 29	P 22.6	0.5	4 - 8	P 5.8	0.4	8 - 15	P 11.7	0.5	32 - 59	P 45.6	1.7	23 - 43	P 32.7	0.8	12
Sekisui Direct	36	20 - 37	P 28.7	2.0	5 - 10	P 7.6	1.2	10 - 19	P 14.4	1.7	48 - 88	P 67.9	5.0	30 - 55	P 42.4	3.6	7
Siem Dimens AHDL, Lot DF48B	37	15 - 29	P 22.1	1.0	6 - 11	P 8.3	0.9	9 - 17	P 12.9	1.0	22 - 41	P 31.2	2.7	21 - 40	P 30.4	1.1	37
Siemens Dimension Flex	38	16 - 29	P 22.4	2.5	6 - 11	P 8.3	1.6	9 - 17	P 12.8	0.9	22 - 41	P 31.5	2.6	22 - 41	P 31.4	5.1	32
Sterling Diagnostic	39	17 - 31	P 24.1	5.5	6 - 11	P 8.8	1.1	9 - 17	P 13.3	1.3	33 - 62	P 47.8	2.4	23 - 43	P 33.1	2.0	13
Synermed	40	17 - 31	P 24.2	1.9	4 - 8	P 6.4	0.5	8 - 16	P 12.0	1.3	39 - 72	P 55.4	3.2	25 - 47	P 36.2	2.4	5
Initial Grouping by Sensitivity or Principle																	
Standardized methods	41	18 - 34	P 25.8	2.8	5 - 9	P 6.8	1.3	9 - 17	P 13.1	1.9	42 - 78	P 60.1	7.6	27 - 50	P 38.7	3.9	132
Polyethylene glycol (PEG)	42	17 - 31	P 23.6	4.5	5 - 10	P 7.8	1.7	9 - 16	P 12.5	1.6	33 - 61	P 47.2	6.4	23 - 43	P 33.0	4.0	23
Other complexometric	43	14 - 26	P 20.0	2.5	4 - 8	P 6.0	1.7	7 - 13	P 10.3	1.7	40 - 74	P 57.2	4.0	23 - 43	P 32.7	3.0	44
Roche Direct	44	16 - 30	P 23.1	1.6	4 - 8	P 5.9	0.5	8 - 15	P 11.8	1.1	32 - 60	P 45.9	3.3	23 - 43	P 33.3	2.4	19
PTA/no magnesium	45	16 - 29	P 22.3	2.0	6 - 11	P 8.3	1.2	9 - 17	P 13.0	1.4	23 - 42	P 32.3	6.3	22 - 40	P 31.1	3.8	71
Total Population																	
Whole Population	46	17 - 31	P 23.7	3.5	5 - 9	P 7.1	1.7	9 - 16	P 12.6	2.0	36 - 66	P 51.0	13.1	25 - 46	P 35.2	5.1	290

LDL Cholesterol

Initial Grouping by Reagent and Instrument																	
Abbott & Abbott Architect c, ci, i	1	19 - 49	C 33.7	0.7	0 - 22	C 7.3	0.5	1 - 31	C 15.8	0.7	90 - 135	P 112.8	2.0	38 - 68	C 52.7	1.1	6
Beckman Olympus & Beck Olym AU 400/600/5400	2	16 - 46	C 31.2	2.5	0 - 22	C 7.3	0.5	0 - 30	C 15.2	1.2	84 - 126	P 104.7	6.3	33 - 63	C 47.6	3.5	10
Beckman Olympus & Beckman AU 480	3	17 - 47	C 32.0	5.6	0 - 22	C 7.0	1.0	0 - 30	C 15.2	2.7	84 - 126	P 105.2	11.6	35 - 65	C 49.7	8.4	6
Horiba ABX & Horiba ABX 400	4	21 - 51	C 35.8	1.6	0 - 23	C 8.0	0.7	2 - 32	C 16.8	0.4	86 - 130	P 108.0	6.9	38 - 68	C 53.0	3.0	4
Ortho Vitros & Ortho Vitros 3600, 5600	5	19 - 49	C 34.0	1.7	15 - 45	C 30.0	0.0	15 - 45	C 30.0	0.0	95 - 143	P 118.8	4.4	38 - 68	C 53.3	2.8	4
Roche LDL 2nd, 3rd Generation & Roche Cobas 6000, 8000	6	36 - 66	C 51.4	2.8	0 - 27	C 12.2	0.7	10 - 40	C 25.0	1.1	117 - 175	P 146.0	7.7	62 - 93	P 77.8	4.7	5
Roche LDL 2nd, 3rd Generation & Roche e/c, 1XX, X000, Elec series	7	36 - 66	C 51.0	1.2	0 - 27	C 12.2	0.4	10 - 40	C 25.3	0.7	119 - 179	P 148.8	3.4	62 - 93	P 77.7	1.7	6
Siemens ALDL & Siemens Dimension EXL	8	23 - 53	C 37.8	2.3	0 - 24	C 8.7	1.1	4 - 34	C 18.6	1.4	94 - 142	P 118.1	5.4	39 - 69	C 53.7	9.2	18
Siemens ALDL & Siemens Dimension Xpand	9	24 - 54	C 38.8	0.8	0 - 24	C 9.3	1.1	4 - 34	C 18.8	0.8	95 - 142	P 118.3	6.1	43 - 73	C 58.3	1.5	4
Synermed & Synermed IR500, IR1200	10	28 - 58	C 42.8	1.7	0 - 26	C 10.8	2.1	6 - 36	C 21.2	1.0	103 - 155	P 129.2	6.7	52 - 82	C 67.2	0.7	5
Initial Grouping by Reagent																	
Abbott	11	19 - 49	C 33.7	0.7	0 - 22	C 7.3	0.5	1 - 31	C 15.8	0.7	90 - 135	P 112.8	2.0	38 - 68	C 52.7	1.1	6
Beckman Coulter LDLD	12	18 - 48	C 33.3	6.2	0 - 22	C 7.3	1.6	1 - 31	C 15.5	2.1	89 - 133	P 110.8	14.1	38 - 68	C 52.8	9.4	4
Beckman Olympus	13	16 - 46	C 31.3	3.9	0 - 22	C 7.2	0.7	0 - 30	C 15.1	1.9	84 - 125	P 104.4	8.5	33 - 63	C 48.1	5.8	18
Diazyme	14	28 - 58	C 43.2	2.8	0 - 26	C 11.2	1.6	6 - 36	C 21.2	1.5	103 - 154	P 128.6	5.9	51 - 81	C 66.4	3.6	5
Horiba ABX	15	21 - 51	C 35.8	1.6	0 - 23	C 8.0	0.7	2 - 32	C 16.8	0.4	86 - 130	P 108.0	6.9	38 - 68	C 53.0	3.0	4
Ortho Vitros	16	19 - 49	C 34.0	1.7	15 - 45	C 30.0	0.0	15 - 45	C 30.0	0.0	95 - 143	P 118.8	4.4	38 - 68	C 53.3	2.8	4
Pointe Scientific autoLDL	17	21 - 51	C 36.0	2.5	0 - 23	C 8.3	0.4	3 - 33	C 17.8	1.1	104 - 157	P 130.5	8.4	47 - 77	C 62.3	1.8	4
Roche LDL 2nd, 3rd Generation	18	37 - 67	C 51.5	2.3	0 - 27	C 12.3	0.6	10 - 40	C 25.4	1.2	119 - 178	P 148.2	6.0	63 - 94	P 78.2	3.6	12
Siemens ALDL	19	23 - 53	C 38.0	2.2	0 - 24	C 8.8	1.2	4 - 34	C 18.6	1.3	94 - 142	P 118.1	5.6	40 - 70	C 54.5	8.5	22
Siemens Dimension Flex LDLC	20	24 - 54	C 39.3	1.8	0 - 26	C 10.8	2.5	4 - 34	C 19.0	0.7	96 - 145	P 120.5	7.3	44 - 74	C 58.8	3.1	4
Synermed	21	28 - 58	C 42.8	1.7	0 - 26	C 10.8	2.1	6 - 36	C 21.2	1.0	103 - 155	P 129.2	6.7	52 - 82	C 67.2	0.7	5
Initial Grouping by Sensitivity or Principle																	
Standardized methods	22	21 - 51	C 35.7	4.8	0 - 23	C 8.4	1.8	3 - 33	C 17.9	3.7	92 - 138	P 115.0	11.2	39 - 69	C 54.0	8.1	81
All other methods	23	26 - 56	C 40.9	3.5	0 - 26	C 11.1	2.3	6 - 36	C 20.6	1.6	99 - 149	P 124.0	10.6	47 - 77	C 62.1	7.5	8
Roche 2nd and 3rd Gen	24	37 - 67	C 51.5	2.3	0 - 27	C 12.3	0.6	10 - 40	C 25.4	1.2	119 - 178	P 148.2	6.0	63 - 94	P 78.2	3.6	12
Total Population																	
Whole Population	25	23 - 53	C 37.9	7.0	0 - 24	C 9.0	2.2	4 - 34	C 19.0	4.2	96 - 143	P 119.5	15.6	43 - 73	C 57.5	11.1	104

Lipoprotein (a)

Initial Grouping by Sensitivity or Principle																	
Spectrophotometric	1	2 - 6	C 3.9	1.4	0 - 4	C 2.4	1.7	1 - 5	C 3.3	1.4	6 - 12	P 9.1	2.8	3 - 7	C 5.4	1.4	8
Total Population																	
Whole Population	2	3 - 7	C 4.5	1.4	2 - 6	C 3.6	2.6	3 - 7	C 4.8	2.8	7 - 13	P 10.0	2.4	4 - 8	C 5.8	1.2	14