



## Lipids

Name	Line No.	Specimen 1			Specimen 2			Specimen 3			Specimen 4			Specimen 5			No. of Labs
		Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	Range & Type	Mean	SD	
<b>Apolipoprotein A1</b>																	
<b>Initial Grouping by Sensitivity or Principle</b>																	
Standardized	1	74 - 138	P 105.8	10.7	135 - 250	P 192.3	21.2	98 - 183	P 140.7	14.6	25 - 75	C 49.6	5.2	3 - 53	C 27.9	8.2	10
<b>Total Population</b>																	
Whole Population	2	73 - 135	P 104.1	9.7	132 - 245	P 188.4	23.5	97 - 180	P 138.6	14.0	24 - 74	C 48.7	4.7	2 - 52	C 26.9	7.4	14
<b>Apolipoprotein B</b>																	
<b>Initial Grouping by Sensitivity or Principle</b>																	
Spectrophotometric	1	29 - 69	C 49.1	3.9	67 - 111	P 88.7	5.9	46 - 86	C 66.4	4.2	8 - 48	C 28.1	6.9	6 - 46	C 25.7	21.5	14
<b>Total Population</b>																	
Whole Population	2	29 - 69	C 48.9	3.7	67 - 111	P 88.9	6.0	46 - 86	C 66.2	4.1	8 - 48	C 27.9	6.7	5 - 45	C 24.8	19.8	18
<b>HDL Cholesterol</b>																	
<b>Initial Grouping by Reagent and Instrument</b>																	
Abbott & Abbott Architect c, ci, i	1	19 - 36	P 27.5	1.5	66 - 122	P 94.1	3.7	26 - 48	P 36.9	1.6	10 - 18	P 14.2	1.1	5 - 10	P 7.4	1.0	17
Alfa Wassermann & Alfa Wasser Axcel/Alera	2	22 - 40	P 30.8	1.3	63 - 117	P 90.1	2.9	28 - 53	P 40.4	1.8	11 - 21	P 16.4	1.5	7 - 12	P 9.6	0.9	14
Beck Oly direct/homogeneous & Beck Olym AU 400/600/5400	3	20 - 36	P 28.0	1.7	68 - 126	P 97.1	4.7	26 - 49	P 37.6	1.5	10 - 18	P 13.8	0.8	5 - 9	P 7.1	0.7	20
Beck Oly direct/homogeneous & Beckman AU 480	4	20 - 36	P 27.9	1.7	68 - 126	P 96.7	4.9	26 - 48	P 37.3	1.9	10 - 19	P 14.3	1.3	5 - 10	P 7.4	1.1	16
Ortho Vitros dHDL & Ortho Vitros 3600, 5600	5	33 - 61	P 46.6	2.4	88 - 164	P 125.9	11.9	52 - 97	P 74.6	4.5	12 - 22	P 16.9	0.5	6 - 11	P 8.3	0.5	14
Ortho Vitros dHDL & Ortho Vitros not DT or ECI	6	32 - 59	P 45.7	1.8	102 - 189	P 145.2	13.7	52 - 96	P 73.8	4.2	12 - 22	P 16.9	0.8	6 - 11	P 8.4	0.6	18
Roche HDL-C & Roche e/c, 1XX, X000, Elec series	7	39 - 72	P 55.6	2.1	105 - 194	P 149.4	16.0	51 - 95	P 73.1	2.6	20 - 37	P 28.5	0.9	10 - 19	P 14.9	1.0	11
Siem Dimens AHDL, Lot DF48B & Siemens Dimension EXL	8	39 - 73	P 56.4	2.9	110 - 204	P 156.7	12.1	52 - 96	P 73.6	3.8	21 - 39	P 30.2	1.4	12 - 22	P 16.8	1.0	25
Siemens Dimension Flex & Siemens Dimension EXL	9	40 - 74	P 57.0	2.5	110 - 204	P 156.9	13.9	51 - 95	P 73.4	3.5	21 - 39	P 30.0	1.2	12 - 22	P 16.8	1.0	29
Siemens Dimension Flex & Siemens Dimension Xpand	10	39 - 73	P 56.2	2.7	107 - 199	P 153.1	10.1	51 - 95	P 73.3	3.5	21 - 39	P 30.1	1.0	12 - 22	P 17.0	0.9	12
Sterling Diagnostic & Other spectrophotometers	11	25 - 46	P 35.4	6.6	73 - 135	P 103.8	17.5	31 - 57	P 43.7	8.4	15 - 28	P 21.7	5.2	10 - 18	P 13.7	3.8	10
<b>Initial Grouping by Reagent</b>																	
Abbott	12	19 - 36	P 27.5	1.5	66 - 122	P 94.1	3.7	26 - 48	P 36.9	1.6	10 - 18	P 14.2	1.1	5 - 10	P 7.4	1.0	17
Alfa Wassermann	13	22 - 40	P 30.8	1.3	63 - 117	P 90.1	2.9	28 - 53	P 40.4	1.8	11 - 21	P 16.4	1.5	7 - 12	P 9.6	0.9	14
Beck Oly direct/homogeneous	14	20 - 36	P 28.0	1.6	68 - 126	P 97.0	4.9	26 - 49	P 37.6	1.8	10 - 18	P 14.1	1.1	5 - 9	P 7.2	0.9	38
Beckman direct detergent	15	20 - 37	P 28.1	1.3	69 - 128	P 98.3	4.6	26 - 49	P 37.7	2.0	10 - 18	P 14.1	0.8	5 - 10	P 7.7	1.4	13
Carolina	16	22 - 40	P 31.0	2.1	74 - 137	P 105.7	9.6	29 - 54	P 41.6	3.1	11 - 20	P 15.1	0.9	5 - 10	P 7.7	0.8	14
Ortho Vitros dHDL	17	32 - 60	P 46.0	2.4	95 - 177	P 136.2	15.9	52 - 97	P 74.4	4.8	12 - 22	P 16.9	0.7	6 - 11	P 8.6	1.2	38
Roche 4th Gen	18	5 - 9	P 7.3	0.5	38 - 71	P 54.7	2.1	8 - 14	P 11.0	0.6	2 - 4	P 3.0	0.0	2 - 4	P 3.0	0.0	10
Roche HDL-C	19	40 - 74	P 56.7	3.3	107 - 200	P 153.5	21.7	53 - 97	P 75.0	4.3	20 - 38	P 29.2	1.7	11 - 21	P 15.9	3.9	21
Siem Dimens AHDL, Lot DF48B	20	40 - 73	P 56.5	2.9	109 - 203	P 156.4	11.0	52 - 96	P 73.8	3.7	21 - 39	P 30.2	1.6	12 - 22	P 16.8	1.2	38
Siemens Dimension Flex	21	40 - 74	P 56.8	2.6	109 - 202	P 155.6	12.9	51 - 95	P 73.3	3.4	21 - 39	P 30.0	1.1	12 - 22	P 16.9	1.0	42
Sterling Diagnostic	22	26 - 47	P 36.5	5.5	74 - 138	P 106.1	14.3	31 - 58	P 44.6	6.9	16 - 29	P 22.4	4.3	10 - 18	P 14.1	3.2	16
<b>Initial Grouping by Sensitivity or Principle</b>																	
Standardized methods	23	24 - 45	P 34.8	12.4	75 - 139	P 107.1	25.7	33 - 61	P 46.6	16.6	12 - 23	P 17.6	6.3	7 - 12	P 9.3	3.6	167
Polyethylene glycol (PEG)	24	23 - 43	P 32.8	8.1	70 - 130	P 100.2	14.6	28 - 53	P 40.5	8.1	13 - 25	P 19.1	6.0	9 - 16	P 12.3	4.2	24
Other complexometric	25	32 - 60	P 46.4	3.3	95 - 177	P 135.9	15.8	52 - 97	P 74.5	4.8	12 - 22	P 17.2	2.2	6 - 11	P 8.7	1.6	39
PTA/no magnesium	26	38 - 70	P 54.0	8.6	105 - 195	P 149.9	23.3	49 - 91	P 70.1	11.3	20 - 37	P 28.6	5.1	11 - 21	P 16.0	2.9	89
Roche Direct	27	5 - 9	P 7.3	0.5	38 - 71	P 54.7	2.1	8 - 14	P 11.0	0.6	2 - 4	P 3.0	0.0	2 - 4	P 3.0	0.0	10
<b>Total Population</b>																	
Whole Population	28	28 - 53	P 40.4	14.7	84 - 156	P 119.9	32.2	38 - 71	P 54.8	20.1	14 - 26	P 20.2	8.0	8 - 14	P 11.1	4.7	333
<b>LDL Cholesterol</b>																	

**Initial Grouping by Reagent and Instrument**

Beckman Olympus & Beck Olym AU 400/600/5400	1	10 - 40	C 24.9	2.2	52 - 82	C 67.2	4.6	19 - 49	C 34.0	1.9	0 - 27	C 12.0	1.1	0 - 22	C 6.6	0.5	10
Siemens ALDL & Siemens Dimension EXL	2	21 - 51	C 35.7	2.0	71 - 106	P 88.2	4.0	34 - 64	C 48.7	2.0	2 - 32	C 17.3	1.1	0 - 24	C 8.6	0.8	23
<b>Initial Grouping by Reagent</b>																	
Beckman Olympus	3	9 - 39	C 24.3	2.1	51 - 81	C 66.1	4.9	18 - 48	C 33.2	2.7	0 - 27	C 11.7	1.0	0 - 21	C 6.2	0.7	18
Roche LDL 2nd, 3rd Generation	4	48 - 78	C 63.4	4.6	114 - 171	P 142.4	8.7	69 - 104	P 86.3	5.1	17 - 47	C 31.6	1.8	1 - 31	C 15.6	1.0	16
Siemens ALDL	5	21 - 51	C 35.6	1.9	71 - 106	P 88.3	3.9	34 - 64	C 48.7	2.0	2 - 32	C 17.4	1.1	0 - 24	C 8.7	0.8	28
<b>Initial Grouping by Sensitivity or Principle</b>																	
Standardized methods	6	17 - 47	C 32.2	6.7	64 - 95	P 79.5	16.3	28 - 58	C 43.3	10.0	2 - 32	C 16.8	5.5	0 - 24	C 9.4	5.3	94
All other methods	7	28 - 58	C 42.7	6.7	82 - 123	P 102.3	16.5	43 - 73	C 58.4	9.1	6 - 36	C 21.0	3.9	0 - 26	C 11.0	3.0	10
Roche 2nd and 3rd Gen	8	48 - 78	C 63.4	4.6	114 - 171	P 142.4	8.7	69 - 104	P 86.3	5.1	17 - 47	C 31.6	1.8	1 - 31	C 15.6	1.0	16
<b>Total Population</b>																	
Whole Population	9	23 - 53	C 37.5	12.6	72 - 108	P 90.0	26.6	36 - 66	C 50.6	17.6	4 - 34	C 19.2	7.1	0 - 25	C 10.4	5.2	121

**Lipoprotein (a)****Initial Grouping by Sensitivity or Principle**

Spectrophotometric	1	6 - 11	P 8.8	3.8	10 - 19	P 14.9	6.6	8 - 15	P 11.2	4.9	3 - 7	C 5.0	0.8	1 - 5	C 3.2	1.2	11
<b>Total Population</b>																	
Whole Population	2	7 - 12	P 9.5	3.2	11 - 21	P 16.3	5.6	9 - 16	P 12.2	4.3	3 - 7	C 5.4	1.0	1 - 5	C 3.4	1.2	17