



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		
Apolipoprotein A1																						
Total Population																						
Whole Population	1	15.0 - 65.0	C	39.8	4.8	81.0 - 150.0	P	115.8	22.3	99.0 - 185.0	P	142.0	31.5	0.0 - 46.0	C	20.6	6.0	54.0 - 104.0	C	79.2	16.0	18
Apolipoprotein B																						
Initial Grouping by Sensitivity or Principle																						
Spectrophotometric	1	3.0 - 43.0	C	22.9	4.2	48.0 - 88.0	C	67.5	9.2	111.0 - 184.0	P	147.5	14.9	0.0 - 39.0	C	18.9	10.8	26.0 - 66.0	C	45.9	6.4	10
Total Population																						
Whole Population	2	2.0 - 42.0	C	21.8	4.0	44.0 - 84.0	C	63.5	8.9	108.0 - 181.0	P	144.6	15.9	0.0 - 40.0	C	20.3	12.1	22.0 - 62.0	C	42.4	6.3	20
HDL Cholesterol																						
Initial Grouping by Reagent and Instrument																						
Abbott Direct (homogeneous) & Abbott Architect c, ci, i	1	9.0 - 16.0	P	12.5	1.6	24.0 - 44.0	P	33.7	2.1	28.0 - 51.0	P	39.4	2.9	5.0 - 9.0	P	7.2	1.6	18.0 - 34.0	P	25.9	1.6	16
Alfa Wassermann homogeneous & Alfa Wasser ACE/Centr/Alera	2	6.0 - 12.0	P	9.0	1.2	20.0 - 37.0	P	28.3	1.9	24.0 - 45.0	P	34.5	3.2	2.0 - 5.0	P	3.5	0.9	14.0 - 27.0	P	20.5	1.8	49
Beckman direct detergent & Beckman Unicel DXC series	3	9.0 - 17.0	P	13.1	2.4	27.0 - 50.0	P	38.2	2.5	44.0 - 81.0	P	62.5	1.9	6.0 - 10.0	P	8.1	4.2	19.0 - 35.0	P	26.9	2.0	17
Beckman Synch LX, Unicel DxC & Beckman Unicel DXC series	4	8.0 - 16.0	P	12.0	1.9	27.0 - 50.0	P	38.5	2.2	42.0 - 78.0	P	60.1	3.7	4.0 - 7.0	P	5.7	1.5	18.0 - 33.0	P	25.7	1.7	36
Carolina Direct detergent & Beckman Synchron CX3/7/9/L	5	9.0 - 17.0	P	12.9	7.1	23.0 - 43.0	P	32.9	3.1	29.0 - 53.0	P	40.8	5.8	7.0 - 12.0	P	9.3	8.5	17.0 - 32.0	P	24.5	3.7	13
Clinical Data Envoy & Vital Diagnostics Envoy	6	9.0 - 17.0	P	12.8	1.4	23.0 - 43.0	P	33.1	2.1	28.0 - 52.0	P	40.0	3.0	5.0 - 9.0	P	6.8	1.2	17.0 - 32.0	P	24.8	1.9	10
J&J Vitros dHDL & J&J Vitros not DT or Eci	7	10.0 - 19.0	P	14.3	0.8	29.0 - 54.0	P	41.2	1.3	44.0 - 81.0	P	62.4	3.9	6.0 - 11.0	P	8.3	0.6	18.0 - 34.0	P	26.4	1.4	49
J&J Vitros dHDL & J&J Vitros 5,1 FS	8	10.0 - 18.0	P	14.2	0.9	29.0 - 55.0	P	42.1	2.4	44.0 - 82.0	P	63.4	4.9	6.0 - 11.0	P	8.4	0.6	19.0 - 35.0	P	27.3	2.5	15
Beck Oly direct/homogeneous & Beckm Olym AU 400/600/5400	9	9.0 - 16.0	P	12.6	1.1	24.0 - 44.0	P	33.6	2.1	28.0 - 52.0	P	39.9	2.5	5.0 - 10.0	P	7.6	0.8	18.0 - 33.0	P	25.4	1.5	41
Pointe Sci PEG-based & Pointe Sci 180/Sterl 2000	10	11.0 - 20.0	P	15.4	1.7	24.0 - 44.0	P	33.8	3.6	26.0 - 47.0	P	36.5	3.0	8.0 - 14.0	P	10.8	2.2	19.0 - 35.0	P	26.6	2.7	18

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		
Roche HDL-C plus, 3rd gen & Roche Cobas Integra	11	18.0 - 33.0	P	25.1	1.2	29.0 - 55.0	P	41.9	2.7	70.0 - 129.0	P	99.5	6.4	10.0 - 19.0	P	14.9	0.6	17.0 - 32.0	P	24.6	1.5	17
SDI Biomed Direct & SDI CA-240, 480	12	11.0 - 21.0	P	16.0	1.8	28.0 - 51.0	P	39.4	2.7	30.0 - 56.0	P	42.9	3.3	7.0 - 14.0	P	10.5	1.7	20.0 - 37.0	P	28.6	2.9	14
Siemens Dimension Flex AHDL & Siemens Dimension ser	13	14.0 - 27.0	P	20.4	5.6	27.0 - 50.0	P	38.6	5.2	62.0 - 116.0	P	89.2	32.0	8.0 - 16.0	P	12.1	3.0	16.0 - 30.0	P	23.2	1.4	13
Siemens Dimension Flex AHDL & Siemens Dimension Xpand	14	16.0 - 30.0	P	23.3	1.3	27.0 - 51.0	P	39.3	4.6	72.0 - 133.0	P	102.2	6.6	9.0 - 17.0	P	13.2	1.1	17.0 - 31.0	P	23.8	1.4	34
Siem Dimens AHDL, Lot DF48B & Siemens Dimension Rxl	15	16.0 - 30.0	P	23.2	1.1	29.0 - 53.0	P	41.1	2.3	73.0 - 136.0	P	104.7	4.7	9.0 - 17.0	P	13.5	0.5	16.0 - 30.0	P	22.8	0.8	11
Siem Dimens AHDL, Lot DF48B & Siemens Dimension EXL	16	16.0 - 30.0	P	23.3	1.4	30.0 - 55.0	P	42.2	2.3	71.0 - 132.0	P	101.5	7.0	9.0 - 18.0	P	13.5	1.3	16.0 - 30.0	P	23.2	1.4	13
Siem Dimens AHDL, Lot DF48B & Siemens Dimension ser	17	16.0 - 30.0	P	23.3	1.2	29.0 - 54.0	P	41.9	3.1	71.0 - 132.0	P	101.3	6.1	9.0 - 17.0	P	13.5	0.6	17.0 - 31.0	P	23.7	1.5	22
Siem Dimens AHDL, Lot DF48B & Siemens Dimension Xpand	18	17.0 - 31.0	P	23.6	1.1	29.0 - 54.0	P	41.7	3.6	73.0 - 135.0	P	104.0	6.0	9.0 - 17.0	P	13.3	0.9	16.0 - 31.0	P	23.5	1.7	51
Sterling #2150 PEG-based & Other spectrophotometers	19	16.0 - 29.0	P	22.3	2.6	29.0 - 54.0	P	41.5	4.3	38.0 - 71.0	P	54.9	5.7	13.0 - 23.0	P	18.0	4.0	22.0 - 40.0	P	30.8	4.3	21
Sterling #2150 PEG-based & Pointe Sci 180/Sterl 2000	20	16.0 - 31.0	P	23.5	3.2	32.0 - 59.0	P	45.2	3.6	42.0 - 78.0	P	59.6	5.3	11.0 - 21.0	P	16.2	2.4	23.0 - 43.0	P	33.2	4.3	13

Initial Grouping by Reagent

Abbott Direct (homogeneous)	21	9.0 - 16.0	P	12.5	1.6	24.0 - 44.0	P	33.7	2.1	28.0 - 51.0	P	39.4	2.9	5.0 - 9.0	P	7.2	1.6	18.0 - 34.0	P	25.9	1.6	16
Alfa Wassermann homogeneous	22	6.0 - 12.0	P	9.0	1.2	20.0 - 37.0	P	28.3	1.9	24.0 - 45.0	P	34.5	3.2	2.0 - 5.0	P	3.5	0.9	14.0 - 27.0	P	20.5	1.8	49
Beckman direct detergent	23	9.0 - 16.0	P	12.4	2.6	26.0 - 49.0	P	37.4	2.5	42.0 - 78.0	P	59.8	3.9	5.0 - 9.0	P	6.8	3.6	18.0 - 34.0	P	26.0	2.2	31
Beckman Synch LX, Unicel DxC	24	8.0 - 15.0	P	11.9	2.0	27.0 - 50.0	P	38.1	2.5	41.0 - 77.0	P	59.2	4.2	4.0 - 7.0	P	5.7	1.5	18.0 - 33.0	P	25.6	1.8	41
Carolina Direct detergent	25	9.0 - 17.0	P	13.0	4.7	24.0 - 44.0	P	34.1	3.1	28.0 - 52.0	P	40.4	4.9	6.0 - 11.0	P	8.3	5.7	18.0 - 33.0	P	25.8	3.2	30
Clinical Data Envoy	26	9.0 - 17.0	P	13.0	1.8	24.0 - 44.0	P	33.7	2.7	28.0 - 53.0	P	40.5	3.0	5.0 - 9.0	P	7.2	1.5	18.0 - 33.0	P	25.3	2.0	13
Diazyme / Resolution BioMed	27	8.0 - 14.0	P	11.1	1.5	24.0 - 46.0	P	35.0	4.5	31.0 - 57.0	P	43.7	6.0	4.0 - 8.0	P	6.3	1.2	16.0 - 31.0	P	23.6	3.2	10
EQual Ultra	28	9.0 - 16.0	P	12.4	1.5	23.0 - 43.0	P	33.4	1.9	28.0 - 51.0	P	39.5	4.8	5.0 - 9.0	P	7.1	2.3	18.0 - 34.0	P	26.0	2.7	10
Genzyme Ultra N-geneous	29	9.0 - 16.0	P	12.6	0.5	23.0 - 43.0	P	32.9	2.0	28.0 - 51.0	P	39.5	2.5	5.0 - 10.0	P	7.7	0.8	18.0 - 33.0	P	25.4	1.2	10
J&J Vitros dHDL	30	10.0 - 19.0	P	14.4	0.8	29.0 - 54.0	P	41.4	1.7	44.0 - 81.0	P	62.6	4.0	6.0 - 11.0	P	8.4	0.6	19.0 - 35.0	P	26.7	1.6	73
Beck Oly direct/homogeneous	31	9.0 - 16.0	P	12.6	1.1	23.0 - 44.0	P	33.6	2.2	28.0 - 52.0	P	39.9	2.5	5.0 - 10.0	P	7.5	0.8	18.0 - 33.0	P	25.4	1.5	47
Pointe Sci autoHDL	32	25.0 - 46.0	P	35.1	2.9	48.0 - 89.0	P	68.6	10.3	100.0 - 186.0	P	142.9	11.3	14.0 - 25.0	P	19.4	1.4	29.0 - 53.0	P	40.9	3.8	15
Pointe Sci PEG-based	33	11.0 - 20.0	P	15.5	1.7	24.0 - 45.0	P	34.5	4.1	26.0 - 48.0	P	37.3	3.9	8.0 - 14.0	P	10.8	2.3	19.0 - 34.0	P	26.5	2.7	27
Roche Cobas HDL Direct	34	14.0 - 27.0	P	20.7	8.5	29.0 - 53.0	P	41.0	6.7	57.0 - 106.0	P	81.2	34.6	9.0 - 17.0	P	13.0	3.5	17.0 - 33.0	P	25.0	1.4	10
Roche HDL-C plus, 3rd gen	35	17.0 - 32.0	P	24.6	1.2	30.0 - 55.0	P	42.5	2.7	70.0 - 129.0	P	99.6	5.9	10.0 - 19.0	P	14.5	0.7	17.0 - 32.0	P	24.8	1.6	42
SDI Biomed Direct	36	11.0 - 21.0	P	16.4	1.0	28.0 - 51.0	P	39.4	2.7	30.0 - 56.0	P	42.9	3.3	7.0 - 14.0	P	10.5	1.7	20.0 - 37.0	P	28.6	2.9	14
Siemens ADVIA Direct HDL II	37	3.0 - 6.0	P	4.7	2.6	14.0 - 27.0	P	20.5	1.2	6.0 - 12.0	P	9.0	1.2	4.0 - 7.0	P	5.7	1.9	12.0 - 23.0	P	17.6	0.7	10
Siemens Dimension Flex AHDL	38	16.0 - 29.0	P	22.7	3.2	27.0 - 51.0	P	39.0	4.8	69.0 - 129.0	P	99.1	17.3	9.0 - 17.0	P	13.0	1.7	16.0 - 30.0	P	23.5	1.3	62
Siem Dimens AHDL, Lot DF48B	39	16.0 - 30.0	P	23.5	1.2	29.0 - 54.0	P	41.7	3.2	72.0 - 134.0	P	103.2	6.1	9.0 - 17.0	P	13.4	0.9	16.0 - 30.0	P	23.5	1.5	97
Sterling #2150 PEG-based	40	16.0 - 29.0	P	22.7	2.9	30.0 - 56.0	P	42.9	4.3	40.0 - 74.0	P	56.6	5.9	12.0 - 22.0	P	17.2	3.5	22.0 - 41.0	P	31.8	4.3	35

Initial Grouping by Sensitivity or Principle

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		
Complexometric low recovery	41	9.0 - 17.0	P	13.4	6.0	24.0 - 44.0	P	34.1	6.1	35.0 - 64.0	P	49.5	25.1	5.0 - 10.0	P	7.8	4.2	17.0 - 31.0	P	24.2	3.1	312
Complexometric high recovery	42	13.0 - 24.0	P	18.3	10.3	31.0 - 57.0	P	43.9	15.9	51.0 - 94.0	P	72.7	40.7	8.0 - 14.0	P	10.7	6.0	21.0 - 38.0	P	29.6	7.3	64
HDL complexation Reagents	43	9.0 - 17.0	P	13.4	2.8	27.0 - 50.0	P	38.6	6.6	39.0 - 72.0	P	55.3	16.7	6.0 - 10.0	P	7.9	1.8	18.0 - 33.0	P	25.6	3.3	95
Polyethylene glycol (PEG)	44	14.0 - 26.0	P	19.9	5.0	28.0 - 52.0	P	39.7	7.1	36.0 - 66.0	P	50.7	18.2	10.0 - 19.0	P	14.6	4.4	21.0 - 39.0	P	29.7	5.0	64
PTA/no magnesium	45	15.0 - 29.0	P	22.1	3.9	28.0 - 52.0	P	40.1	4.6	67.0 - 124.0	P	95.2	22.0	9.0 - 17.0	P	12.8	2.5	16.0 - 31.0	P	23.6	2.1	181
Total Population																						
Whole Population	46	10.0 - 19.0	P	14.4	3.0	26.0 - 49.0	P	37.6	5.2	39.0 - 73.0	P	56.0	8.6	7.0 - 12.0	P	9.5	2.2	17.0 - 32.0	P	24.7	2.9	744

LDL Cholesterol

Initial Grouping by Reagent and Instrument

Beckman direct detergent & Beckman Unicel DXC series	1	0.0 - 25.0	C	9.6	0.7	17.0 - 47.0	C	31.8	2.1	45.0 - 75.0	C	59.9	2.6	0.0 - 24.0	C	8.7	3.1	11.0 - 41.0	C	25.9	1.3	20
Beckman Coulter LDLD & Beckman Unicel DXC series	2	0.0 - 24.0	C	9.5	0.8	15.0 - 45.0	C	30.4	2.0	43.0 - 73.0	C	57.7	3.7	0.0 - 24.0	C	9.5	1.3	9.0 - 39.0	C	24.2	1.1	12
Beckman Oly LDL Homogeneous & Beckm Olym AU 400/600/5400	3	0.0 - 22.0	C	7.4	1.9	8.0 - 38.0	C	23.0	1.3	30.0 - 60.0	C	45.1	2.9	0.0 - 22.0	C	7.5	6.0	4.0 - 34.0	C	18.9	1.3	16
Roche LDL 2nd Generation & Roche Cobas Integra	4	19.0 - 49.0	C	33.5	5.1	80.0 - 120.0	P	100.1	10.4	162.0 - 243.0	P	202.4	26.8	1.0 - 31.0	C	15.6	2.7	50.0 - 80.0	C	65.5	6.1	12
Siemens ALDL & Siemens Dimension EXL	5	0.0 - 25.0	C	10.0	0.9	23.0 - 53.0	C	37.9	2.8	52.0 - 82.0	C	66.7	3.3	0.0 - 20.0	C	4.8	0.7	15.0 - 45.0	C	30.4	1.6	10
Siemens ALDL & Siemens Dimension ser	6	0.0 - 25.0	C	10.2	0.6	25.0 - 55.0	C	39.8	2.2	53.0 - 83.0	C	68.3	2.7	0.0 - 20.0	C	4.6	0.7	16.0 - 46.0	C	31.3	2.0	10
Siemens ALDL & Siemens Dimension Xpand	7	0.0 - 25.0	C	9.9	1.0	23.0 - 53.0	C	37.8	1.9	51.0 - 81.0	C	66.2	3.4	0.0 - 20.0	C	4.8	0.4	15.0 - 45.0	C	30.3	1.9	25

Initial Grouping by Reagent

Beckman direct detergent	8	0.0 - 25.0	C	9.6	0.8	17.0 - 47.0	C	31.7	2.2	45.0 - 75.0	C	59.8	2.7	0.0 - 24.0	C	8.6	3.0	11.0 - 41.0	C	25.9	1.5	26
Beckman Coulter LDLD	9	0.0 - 25.0	C	9.5	0.8	15.0 - 45.0	C	30.3	1.8	43.0 - 73.0	C	57.8	3.5	0.0 - 24.0	C	9.2	1.7	9.0 - 39.0	C	24.1	1.0	14
Carolina LDL-Direct	10	7.0 - 37.0	C	21.6	22.2	34.0 - 64.0	C	49.1	20.9	68.0 - 103.0	P	85.5	38.1	0.0 - 29.0	C	13.6	16.8	17.0 - 47.0	C	32.4	10.9	12
J&J Vitros dLDL	11	15.0 - 45.0	C	30.0	0.0	15.0 - 45.0	C	30.0	0.0	45.0 - 75.0	C	59.6	4.2	15.0 - 45.0	C	30.0	0.0	15.0 - 45.0	C	30.0	0.0	11
Beckman Oly LDL Homogeneous	12	0.0 - 22.0	C	7.1	0.7	8.0 - 38.0	C	23.4	1.6	30.0 - 60.0	C	45.4	3.1	0.0 - 22.0	C	6.6	5.5	4.0 - 34.0	C	19.4	1.7	19
Roche LDL 2nd Generation	13	18.0 - 48.0	C	33.3	3.5	80.0 - 120.0	P	99.6	7.3	162.0 - 242.0	P	202.1	18.5	1.0 - 31.0	C	15.6	1.8	51.0 - 81.0	C	65.7	4.4	29
Siemens ALDL	14	0.0 - 25.0	C	10.0	0.9	23.0 - 53.0	C	38.1	2.3	52.0 - 82.0	C	66.8	3.3	0.0 - 20.0	C	4.8	0.5	15.0 - 45.0	C	30.5	2.2	53

Initial Grouping by Sensitivity or Principle

Complexometric low recovery	15	0.0 - 27.0	C	11.8	6.2	21.0 - 51.0	C	35.8	14.6	59.0 - 89.0	C	73.5	34.6	0.0 - 23.0	C	7.7	4.0	12.0 - 42.0	C	27.4	9.5	69
Complexometric high recovery	16	18.0 - 48.0	C	33.3	3.4	80.0 - 120.0	P	99.8	7.2	162.0 - 243.0	P	202.5	18.3	1.0 - 31.0	C	15.6	1.8	51.0 - 81.0	C	65.7	4.4	30
LDL complexation rgts	17	0.0 - 26.0	C	10.9	4.5	22.0 - 52.0	C	37.3	9.8	52.0 - 82.0	C	67.2	20.0	0.0 - 21.0	C	6.4	3.5	15.0 - 45.0	C	29.8	6.7	118
All other methods	18	0.0 - 28.0	C	13.3	5.5	28.0 - 58.0	C	43.5	15.7	62.0 - 93.0	P	77.3	31.6	0.0 - 27.0	C	12.1	13.9	17.0 - 47.0	C	31.6	8.8	19
Total Population																						
Whole Population	19	0.0 - 26.0	C	11.2	2.3	23.0 - 53.0	C	37.5	6.5	51.0 - 81.0	C	65.9	9.7	0.0 - 24.0	C	8.9	1.7	15.0 - 45.0	C	29.7	5.0	247

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					
Lipoprotein (a)																						
Whole Population	1	0.0 - 13.0	C	3.1	1.7	0.0 - 16.0	C	6.1	3.4	2.0 - 22.0	C	11.8	4.4	0.0 - 13.0	C	2.6	2.0	0.0 - 14.0	C	4.1	1.9	21