



## 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>																						
Spectrophotometric	1	102.0 - 189.0	P	145.2	51.8	1.0 - 51.0	C	26.0	35.3	0.0 - 36.0	C	11.4	13.4	29.0 - 79.0	C	54.1	11.8	106.0 - 197.0	P	151.2	16.6	12
<b>Total Population</b>																						
Whole Population	2	111.0 - 206.0	P	158.1	47.8	1.0 - 51.0	C	25.8	26.9	0.0 - 39.0	C	13.8	10.6	30.0 - 80.0	C	55.1	10.9	106.0 - 198.0	P	151.9	18.7	19
<b>Apolipoprotein B</b>																						
<b>Initial Grouping by Sensitivity or Principle</b>																						
Spectrophotometric	1	62.0 - 103.0	P	82.6	5.6	0.0 - 40.0	C	19.5	5.1	0.0 - 37.0	C	17.3	10.8	14.0 - 54.0	C	33.5	4.8	36.0 - 76.0	C	55.8	6.4	13
<b>Total Population</b>																						
Whole Population	2	61.0 - 102.0	P	81.6	7.1	0.0 - 40.0	C	20.5	5.8	0.0 - 36.0	C	16.1	8.7	13.0 - 53.0	C	33.4	4.4	36.0 - 76.0	C	56.5	5.7	21
<b>HDL Cholesterol</b>																						
<b>Initial Grouping by Reagent and Instrument</b>																						
Abbott Direct (homogeneous) & Abbott Architect c, ci, i	1	31.0 - 57.0	P	43.6	4.0	8.0 - 16.0	P	12.1	1.4	5.0 - 10.0	P	7.6	1.5	17.0 - 31.0	P	23.8	1.6	28.0 - 52.0	P	39.8	2.0	17
Alfa Wassermann homogeneous & Alfa Wasser ACE/Centr/Alera	2	28.0 - 53.0	P	40.5	4.3	8.0 - 15.0	P	11.8	2.5	6.0 - 11.0	P	8.8	1.3	15.0 - 29.0	P	22.0	3.0	24.0 - 45.0	P	34.9	3.1	48
Beckman direct detergent & Beckman Unicel DXC series	3	35.0 - 64.0	P	49.6	2.2	8.0 - 15.0	P	11.3	1.3	5.0 - 9.0	P	6.7	2.8	17.0 - 31.0	P	24.1	2.3	26.0 - 49.0	P	37.4	2.5	18
Beckman Synch LX, Unicel DxC & Beckman Unicel DXC series	4	34.0 - 64.0	P	48.9	2.4	8.0 - 15.0	P	11.3	1.7	4.0 - 7.0	P	5.7	1.4	16.0 - 30.0	P	23.4	1.9	26.0 - 48.0	P	37.0	1.2	34
Carolina Direct detergent & Beckman Synchron CX3/7/9/L	5	33.0 - 61.0	P	46.9	2.9	9.0 - 16.0	P	12.4	6.9	6.0 - 12.0	P	9.1	8.5	16.0 - 30.0	P	23.1	2.0	31.0 - 57.0	P	43.6	2.1	13
J&J Vitros dHDL & J&J Vitros not DT or ECi	6	35.0 - 66.0	P	50.6	4.0	9.0 - 17.0	P	13.0	1.1	6.0 - 10.0	P	7.9	0.5	15.0 - 28.0	P	21.5	1.7	26.0 - 48.0	P	36.8	2.4	51
J&J Vitros dHDL & J&J Vitros 5,1 FS	7	38.0 - 70.0	P	54.0	4.0	9.0 - 17.0	P	13.0	1.0	6.0 - 10.0	P	7.9	0.6	15.0 - 28.0	P	21.9	1.5	26.0 - 49.0	P	37.8	1.7	16
Beck Oly direct/homogeneous & Beckm Olym AU 400/600/5400	8	30.0 - 56.0	P	43.3	2.9	8.0 - 14.0	P	11.1	1.2	5.0 - 9.0	P	7.0	0.9	16.0 - 29.0	P	22.7	1.7	27.0 - 50.0	P	38.8	2.1	42
Pointe Sci PEG-based & Pointe Sci 180/Sterl 2000	9	31.0 - 57.0	P	44.2	3.9	11.0 - 20.0	P	15.3	1.9	8.0 - 16.0	P	12.1	2.3	18.0 - 34.0	P	25.9	3.5	26.0 - 48.0	P	36.6	2.8	19

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	10	20.0 - 38.0	P 29.2	3.1	16.0 - 29.0	P 22.6	1.6	10.0 - 19.0	P 14.7	1.2	12.0 - 22.0	P 16.7	1.6	8.0 - 16.0	P 12.1	1.5	18			
SDI Biomed Direct & SDI CA-240, 480	11	31.0 - 58.0	P 44.6	3.0	9.0 - 17.0	P 13.1	2.9	8.0 - 15.0	P 11.6	1.9	16.0 - 30.0	P 22.9	2.2	24.0 - 45.0	P 34.9	2.3	15			
Siemens Dimension Flex AHDL & Siemens Dimension RxI	12	21.0 - 40.0	P 30.5	4.7	14.0 - 27.0	P 20.7	1.5	9.0 - 17.0	P 13.1	0.9	11.0 - 21.0	P 16.4	2.0	8.0 - 15.0	P 11.7	0.9	11			
Siemens Dimension Flex AHDL & Siemens Dimension ser	13	21.0 - 39.0	P 29.8	2.1	15.0 - 28.0	P 21.3	1.3	9.0 - 18.0	P 13.5	0.8	12.0 - 21.0	P 16.4	0.5	9.0 - 16.0	P 12.2	1.0	10			
Siemens Dimension Flex AHDL & Siemens Dimension Xpand	14	20.0 - 38.0	P 29.2	2.7	15.0 - 28.0	P 21.3	1.2	9.0 - 17.0	P 13.3	0.9	11.0 - 21.0	P 16.1	1.1	8.0 - 15.0	P 11.6	1.2	34			
Siem Dimens AHDL, Lot DF48B & Siemens Dimension RxI	15	20.0 - 38.0	P 29.2	2.0	15.0 - 28.0	P 21.5	0.5	10.0 - 18.0	P 13.7	1.0	12.0 - 21.0	P 16.5	1.4	8.0 - 15.0	P 11.7	1.5	11			
Siem Dimens AHDL, Lot DF48B & Siemens Dimension EXL	16	21.0 - 38.0	P 29.4	1.3	15.0 - 27.0	P 20.9	1.1	10.0 - 18.0	P 13.6	0.8	11.0 - 21.0	P 16.0	1.4	8.0 - 15.0	P 11.4	1.6	15			
Siem Dimens AHDL, Lot DF48B & Siemens Dimension ser	17	20.0 - 37.0	P 28.7	2.7	15.0 - 27.0	P 21.1	1.0	9.0 - 17.0	P 13.3	0.8	11.0 - 21.0	P 16.1	1.3	8.0 - 15.0	P 11.5	1.4	22			
Siem Dimens AHDL, Lot DF48B & Siemens Dimension Xpand	18	20.0 - 37.0	P 28.6	2.9	15.0 - 27.0	P 21.0	1.2	9.0 - 17.0	P 13.2	0.9	11.0 - 21.0	P 15.8	1.2	8.0 - 14.0	P 11.1	1.3	54			
Sterling #2150 PEG-based & Other spectrophotometers	19	35.0 - 66.0	P 50.6	5.5	16.0 - 29.0	P 22.2	2.6	13.0 - 24.0	P 18.7	4.1	21.0 - 39.0	P 30.2	4.1	30.0 - 55.0	P 42.6	5.4	20			
Sterling #2150 PEG-based & Pointe Sci 180/Sterl 2000	20	40.0 - 73.0	P 56.5	4.2	16.0 - 30.0	P 23.1	3.5	14.0 - 26.0	P 20.1	4.1	24.0 - 44.0	P 33.7	3.0	32.0 - 60.0	P 46.3	2.3	13			
<b>Initial Grouping by Reagent</b>																				
Abbott Direct (homogeneous)	21	31.0 - 57.0	P 43.6	4.0	8.0 - 16.0	P 12.1	1.4	5.0 - 10.0	P 7.6	1.5	17.0 - 31.0	P 23.8	1.6	28.0 - 52.0	P 39.8	2.0	17			
Alfa Wassermann homogeneous	22	28.0 - 53.0	P 40.5	4.3	8.0 - 15.0	P 11.8	2.5	6.0 - 11.0	P 8.8	1.3	15.0 - 29.0	P 22.0	3.0	24.0 - 45.0	P 34.9	3.1	48			
Beckman direct detergent	23	33.0 - 62.0	P 47.6	3.4	8.0 - 14.0	P 11.0	1.5	4.0 - 8.0	P 6.4	2.4	16.0 - 30.0	P 23.1	2.4	26.0 - 47.0	P 36.5	2.7	30			
Beckman Synch LX, Unicel DxC	24	34.0 - 63.0	P 48.8	2.4	8.0 - 15.0	P 11.3	1.7	4.0 - 7.0	P 5.7	1.4	16.0 - 30.0	P 23.4	1.9	26.0 - 48.0	P 36.9	1.3	39			
Carolina Direct detergent	25	33.0 - 60.0	P 46.5	4.5	8.0 - 15.0	P 11.2	4.7	5.0 - 10.0	P 7.6	5.5	16.0 - 30.0	P 23.4	2.1	30.0 - 57.0	P 43.5	3.8	31			
Clinical Data Envoy	26	31.0 - 57.0	P 44.2	4.2	8.0 - 14.0	P 10.9	1.2	5.0 - 9.0	P 6.8	0.6	16.0 - 30.0	P 22.8	1.4	27.0 - 51.0	P 39.2	2.6	12			
Diazyme / Resolution BioMed	27	34.0 - 63.0	P 48.3	7.9	7.0 - 13.0	P 9.8	2.3	4.0 - 7.0	P 5.8	1.4	14.0 - 27.0	P 20.5	3.4	25.0 - 46.0	P 35.3	4.4	14			
J&J Vitros dHDL	28	36.0 - 67.0	P 51.7	4.2	9.0 - 17.0	P 13.1	1.0	6.0 - 10.0	P 8.0	0.5	15.0 - 28.0	P 21.7	1.6	26.0 - 48.0	P 37.1	2.3	77			
Beck Oly direct/homogeneous	29	30.0 - 56.0	P 43.1	2.8	8.0 - 14.0	P 11.1	1.2	5.0 - 9.0	P 7.0	0.9	16.0 - 29.0	P 22.7	1.7	27.0 - 50.0	P 38.8	2.1	47			
Pointe Sci autoHDL	30	46.0 - 85.0	P 65.1	8.6	24.0 - 44.0	P 34.1	3.4	14.0 - 25.0	P 19.3	1.8	24.0 - 46.0	P 35.0	3.7	18.0 - 34.0	P 25.8	5.4	15			
Pointe Sci PEG-based	31	31.0 - 58.0	P 44.5	4.4	10.0 - 19.0	P 14.9	2.0	8.0 - 16.0	P 12.0	2.3	18.0 - 33.0	P 25.7	3.1	26.0 - 48.0	P 36.6	3.7	29			
Roche Cobas HDL Direct	32	23.0 - 42.0	P 32.6	5.2	13.0 - 23.0	P 17.9	9.0	8.0 - 15.0	P 11.5	5.4	12.0 - 22.0	P 17.2	2.5	13.0 - 25.0	P 19.0	11.8	12			
Roche HDL-C plus, 3rd gen	33	21.0 - 38.0	P 29.4	3.2	16.0 - 29.0	P 22.3	1.4	10.0 - 19.0	P 14.3	1.1	12.0 - 22.0	P 16.6	1.6	9.0 - 16.0	P 12.2	1.5	43			
SDI Biomed Direct	34	31.0 - 57.0	P 43.9	1.9	9.0 - 17.0	P 12.8	2.6	8.0 - 15.0	P 11.6	1.9	16.0 - 30.0	P 22.9	2.2	24.0 - 45.0	P 34.9	2.3	15			
Siemens ADVIA Direct HDL II	35	24.0 - 44.0	P 34.1	2.7	3.0 - 6.0	P 4.7	2.6	4.0 - 7.0	P 5.7	1.9	11.0 - 21.0	P 16.0	1.1	24.0 - 45.0	P 34.4	1.2	10			
Siemens Dimension Flex AHDL	36	21.0 - 38.0	P 29.5	3.0	15.0 - 28.0	P 21.2	1.2	9.0 - 17.0	P 13.4	0.9	11.0 - 21.0	P 16.2	1.3	8.0 - 15.0	P 11.7	1.3	61			
Siem Dimens AHDL, Lot DF48B	37	20.0 - 37.0	P 28.8	2.6	15.0 - 27.0	P 21.1	1.1	9.0 - 17.0	P 13.3	0.9	11.0 - 21.0	P 16.0	1.3	8.0 - 15.0	P 11.3	1.4	102			
Sterling #2150 PEG-based	38	37.0 - 69.0	P 52.8	5.7	16.0 - 29.0	P 22.5	2.9	13.0 - 25.0	P 19.1	4.1	22.0 - 41.0	P 31.5	4.0	31.0 - 57.0	P 43.9	4.9	34			
<b>Initial Grouping by Sensitivity or Principle</b>																				
Complexometric low recovery	39	29.0 - 54.0	P 41.3	7.8	9.0 - 17.0	P 13.1	5.6	6.0 - 11.0	P 8.6	4.3	15.0 - 28.0	P 21.3	4.6	23.0 - 43.0	P 33.0	10.7	313			

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 high recovery	40	35.0 - 65.0	P 50.2	10.5	12.0 - 22.0	P 17.2	10.4	8.0 - 14.0	P 11.1	5.9	18.0 - 33.0	P 25.5	6.1	24.0 - 44.0	P 33.6	5.6	64
HDL complexation Reagents	41	35.0 - 65.0	P 49.7	6.5	9.0 - 16.0	P 12.5	2.2	5.0 - 10.0	P 7.7	1.4	15.0 - 28.0	P 21.3	2.1	26.0 - 48.0	P 37.2	2.3	96
Polyethylene glycol (PEG)	42	34.0 - 64.0	P 49.2	6.9	14.0 - 26.0	P 20.2	9.6	12.0 - 22.0	P 17.3	11.6	21.0 - 39.0	P 29.6	8.1	29.0 - 53.0	P 41.0	9.7	67
PTA/no magnesium	43	21.0 - 40.0	P 30.4	5.3	14.0 - 26.0	P 20.3	3.0	9.0 - 17.0	P 12.9	2.0	12.0 - 22.0	P 16.7	2.6	10.0 - 18.0	P 13.9	8.1	183
<b>Total Population</b>																	
Whole Population	44	29.0 - 53.0	P 40.8	8.4	11.0 - 20.0	P 15.1	3.8	7.0 - 14.0	P 10.4	2.7	14.0 - 26.0	P 20.3	3.6	25.0 - 46.0	P 35.7	3.2	747

## LDL Cholesterol

### Initial Grouping by Reagent and Instrument

Beckman direct detergent & Beckman Unicel DXC series	1	37.0 - 67.0	C 51.7	3.0	0.0 - 28.0	C 12.6	1.2	0.0 - 24.0	C 8.5	1.9	10.0 - 40.0	C 24.9	1.2	44.0 - 74.0	C 59.0	2.3	20
Beckman Coulter LDLD & Beckman Unicel DXC series	2	38.0 - 68.0	C 53.3	2.9	0.0 - 28.0	C 12.7	1.3	0.0 - 22.0	C 7.3	1.6	11.0 - 41.0	C 25.6	1.1	44.0 - 74.0	C 58.6	3.4	14
Beckman Oly LDL Homogeneous & Beckm Olym AU 400/600/5400	3	24.0 - 54.0	C 39.4	2.5	0.0 - 24.0	C 8.9	0.5	0.0 - 20.0	C 5.0	1.1	4.0 - 34.0	C 19.0	1.0	36.0 - 66.0	C 51.5	3.5	16
Roche LDL 2nd Generation & Roche Cobas Integra	4	101.0 - 152.0	P 126.7	4.3	22.0 - 52.0	C 37.0	1.3	2.0 - 32.0	C 17.2	0.8	43.0 - 73.0	C 58.3	1.9	73.0 - 110.0	P 91.6	4.2	12
Siemens ALDL & Siemens Dimension EXL	5	45.0 - 75.0	C 59.6	3.8	0.0 - 28.0	C 12.9	1.7	0.0 - 21.0	C 6.4	0.8	14.0 - 44.0	C 28.9	1.7	47.0 - 77.0	C 61.6	3.4	10
Siemens ALDL & Siemens Dimension Xpand	6	45.0 - 75.0	C 59.7	3.6	0.0 - 28.0	C 12.6	1.2	0.0 - 21.0	C 5.8	0.9	14.0 - 44.0	C 28.7	1.6	47.0 - 77.0	C 62.4	3.0	25

### Initial Grouping by Reagent

Beckman direct detergent	7	37.0 - 67.0	C 51.7	3.5	0.0 - 27.0	C 12.5	1.2	0.0 - 23.0	C 8.1	2.0	10.0 - 40.0	C 24.9	1.5	44.0 - 74.0	C 58.7	3.4	24
Beckman Coulter LDLD	8	38.0 - 68.0	C 53.2	2.8	0.0 - 27.0	C 12.4	0.9	0.0 - 22.0	C 7.0	1.4	11.0 - 41.0	C 25.5	1.1	44.0 - 74.0	C 58.7	3.3	15
Carolina LDL-Direct	9	47.0 - 77.0	C 61.6	21.0	2.0 - 32.0	C 17.3	8.8	0.0 - 25.0	C 10.2	4.9	18.0 - 48.0	C 33.1	18.4	47.0 - 77.0	C 62.2	11.4	13
Diazyme / Resolution BioMed	10	61.0 - 92.0	P 76.6	7.7	5.0 - 35.0	C 20.5	1.5	0.0 - 26.0	C 11.3	0.8	21.0 - 51.0	C 35.6	3.8	42.0 - 72.0	C 57.1	6.0	12
J&J Vitros dLDL	11	23.0 - 53.0	C 37.6	2.7	15.0 - 45.0	C 30.0	0.0	15.0 - 45.0	C 30.0	0.0	15.0 - 45.0	C 30.0	0.0	36.0 - 66.0	C 50.7	5.6	11
Beckman Oly LDL Homogeneous	12	24.0 - 54.0	C 39.4	2.4	0.0 - 24.0	C 9.0	0.7	0.0 - 20.0	C 5.2	1.2	4.0 - 34.0	C 19.2	1.3	37.0 - 67.0	C 52.3	4.1	19
Roche LDL 2nd Generation	13	102.0 - 153.0	P 127.3	4.7	22.0 - 52.0	C 36.5	1.7	2.0 - 32.0	C 16.9	1.1	43.0 - 73.0	C 58.2	2.1	73.0 - 109.0	P 90.7	4.0	27
Siemens ALDL	14	45.0 - 75.0	C 59.8	3.3	0.0 - 28.0	C 12.5	1.2	0.0 - 21.0	C 5.9	0.9	14.0 - 44.0	C 28.7	1.5	47.0 - 77.0	C 62.0	2.8	51

### Initial Grouping by Sensitivity or Principle

Complexometric low recovery	15	41.0 - 71.0	C 55.9	16.6	0.0 - 28.0	C 13.4	5.0	0.0 - 22.0	C 7.3	2.9	11.0 - 41.0	C 26.4	7.6	43.0 - 73.0	C 58.4	7.8	71
Complexometric high recovery	16	101.0 - 152.0	P 126.7	5.4	21.0 - 51.0	C 36.3	1.9	2.0 - 32.0	C 16.8	1.2	43.0 - 73.0	C 58.0	2.3	72.0 - 109.0	P 90.4	4.2	28
LDL complexation rgts	17	42.0 - 72.0	C 57.3	14.1	0.0 - 28.0	C 13.4	4.2	0.0 - 22.0	C 7.2	3.6	13.0 - 43.0	C 28.4	6.0	45.0 - 75.0	C 60.5	5.7	117
All other methods	18	44.0 - 74.0	C 59.4	17.0	0.0 - 30.0	C 15.2	7.2	0.0 - 24.0	C 8.7	4.1	16.0 - 46.0	C 30.6	14.5	48.0 - 78.0	C 63.4	9.4	21

### Total Population

Whole Population	19	43.0 - 73.0	C 58.2	9.3	0.0 - 28.0	C 13.3	2.6	0.0 - 22.0	C 7.2	1.5	13.0 - 43.0	C 27.8	4.5	47.0 - 77.0	C 62.2	9.8	247
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## Lipoprotein (a)

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	
Whole Population	1	0.0 - 16.0	C 5.8	2.4	0.0 - 13.0	C 2.8	1.1	0.0 - 12.0	C 2.0	1.3	0.0 - 13.0	C 3.5	1.2	0.0 - 15.0	C 5.2	1.7	20	