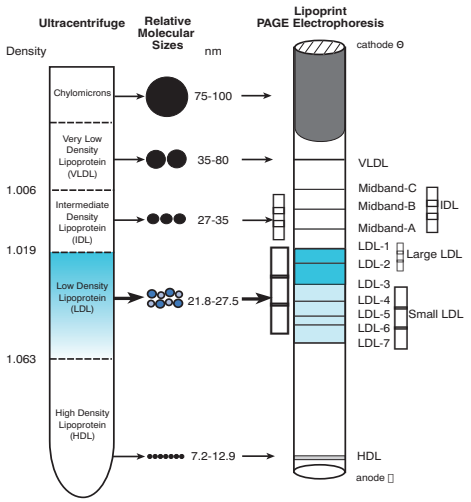
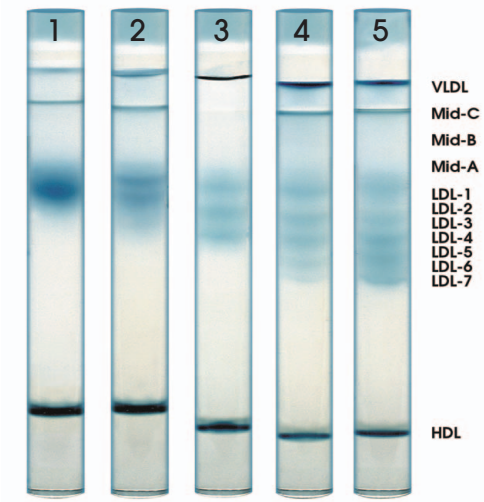
Strong Correlation

Relationship Between Density, Molecular Size and Mobility



Subfractions
Large LDL (1,2) - Small LDL (3,4,5)



Lipoprint® System

Separation and Measurement of LDL & HDL* Subfractions

Quantimetrix Corporation
LIPOPRINT® SYSTEM

Quantimetrix Corporation
2005 Manhattan Beach Blvd.
Redondo Beach, CA 90278-1205, USA
+1.310.536.0006 • +1.310.536.9977 fax
email info@4qc.com web www.4qc.com

www.lipoprint.com

**For Research use only - Not for diagnostic procedures.*
Analysis software for In vitro diagnostic use also available

Results in Less than 2 1/2 Hours

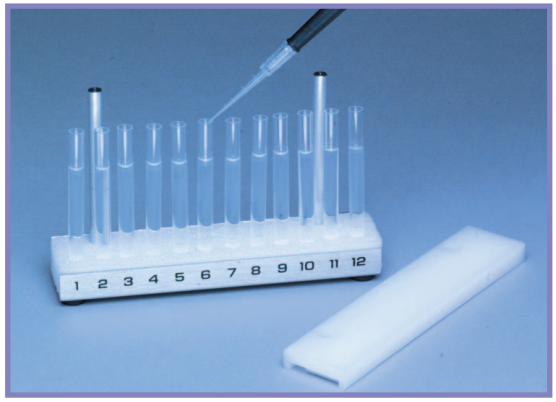
- ❤ Quantitative
- ❤ Reproducible
- ❤ Simple Interpretation

LRT2-3/11

Quantimetrix Corporation
LIPOPRINT® SYSTEM

The Lipoprint System uses linear polyacrylamide gel kits to separate LDL & HDL fractions and subfractions on the basis of size (PAGE). Electrophoresed gels are scanned and analyzed with software that calculates the levels of cholesterol in each lipoprotein subfraction.

Simple Technique



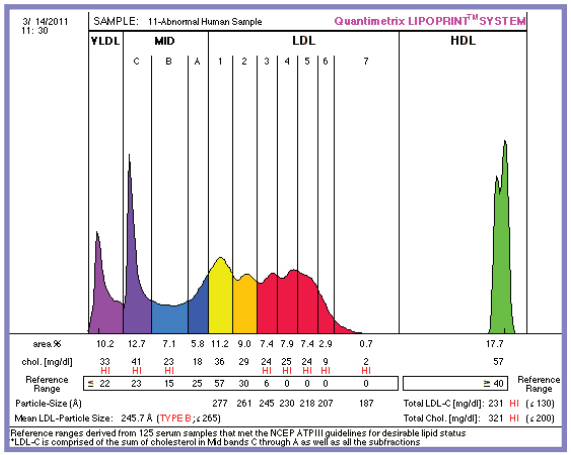
- Precast, ready to use, gel tubes
- Test performed on 25 uL of serum or plasma

Simple Data Collection

	A	B	C	D	E	F	G	H	I
1		[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]
2	Sample	VLDL	IDL-C	IDL-B	IDL-A	LDL-1	LDL-2	LDL-3	LDL-4
3									
4	1-tube 1	10.4	10	6.5	8.7	23.4	15.4	1.1	0
5									
6	2-tube 2	10.5	10.8	7.2	9.1	23.2	14.4	1	0
7									
8	3-tube 3	12	12.2	11.8	9.3	17.4	14.3	1.7	0
9									
10	4-tube 4	13.3	14.1	10.9	8.8	16.3	15.7	1.7	0
11									
12	5-tube 5	6.5	9.8	9.6	13.6	25.1	14	0.9	0
13									
14	6-tube 6	6.9	9.5	9.9	13.7	24.5	13.5	0.9	0
15									
16	7-tube 7	10.3	13.8	9.7	7.5	14.3	15.5	9.6	2
17									
18	8-tube 8	8.9	12.4	8.4	7.3	14.3	15.6	11.3	4
19									
20	9-tube 9	4.9	14.4	10.3	5.9	10.9	9.6	7.1	7.7
21									
22	10-tube 10	4.6	13.7	10.8	5.8	10.9	9.8	7.1	7.6
23									
24	11-tube 11	10	13	7.1	5.6	11.2	9.1	7.3	7.9
25									
26	12-tube12	10.2	12.4	6.9	5.3	11.6	9.8	7.8	8.1

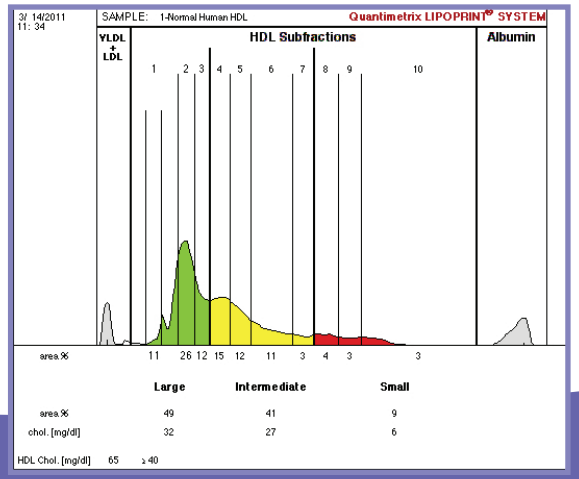
- Automatically saves results in a spreadsheet for added convenience.

Abnormal Human LDL Subfraction Profile



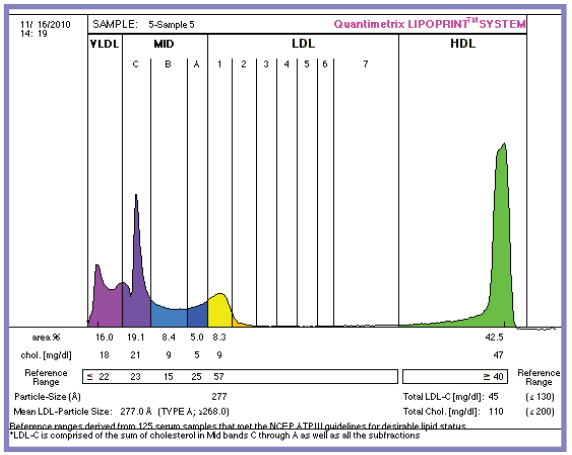
- Measures all Lipoprotein Classes and Subclasses from VLDL to HDL (mg/dl)
- Calculates the area percent of each subfraction
- Estimates the mean particle size of the sample and the average particle size for each subfraction of LDL

Normal Human HDL Subfraction Profile



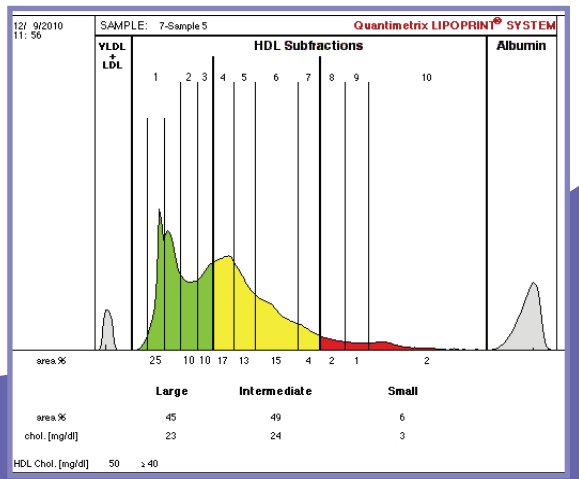
- Separates 10 HDL subfractions which are classified as large, intermediate, and small
- Calculates the area percent of each subfraction

LDL Subfraction Profile for a Rabbit



- Also used in studies with mice, guinea pigs, chimpanzees, and pigs.[1]

HDL Subfraction Profile for a Rabbit



[1] *reference ranges are only provided for humans*