WellLab

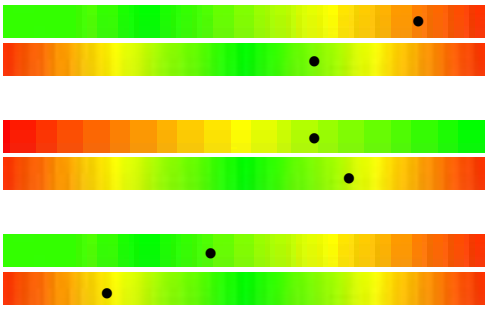
TEST PATIENT
Sample Test Name
Sex : F
Date Collected : 00-00-0000

LAB ID: 00000000 UR#:0000000

TEST PHYSICIAN
DR EDWARD CHAN
11-1, WISMA LAXTON,
JALAN DESA, TAMAN
DESA, 58100 KL

BIOCHEMISTRY

BLOOD - SERUM	Result	Range	Units
LIPIDS			
CHOLESTEROL	*6.2* ***H**	0.0 - 5.5	mmol/L
TRIGLYCERIDES	**1.1**	0.2 - 1.5	mmol/L
LIPID STUDIES			
HDL(Protective)	**2.4**	> 1.0	mmol/L
LDL(Atherogenic)	**3.3**	0.5 - 3.5	mmol/L
Cholesterol/HDL Ratio	**2.5**		
LDL/HDL RATIO (Risk Factor)	**1.3**	0.0 - 3.6	
Trig/HDL Ratio	**0.5**	0.5 - 1.7	RATIO



(*) Result outside normal reference range (H) Result is above upper limit of reference rang (L) Result is below lower limit of reference range

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HDL Subfractions

HDL Subfractions Comment

PLEASE NOTE:
** The HDL subfractions test is intended for Research Use Only (RUO) - Not for use in diagnostic procedures. **
** It is provided as additional information as to the patients overall lipid metabolism status. **

High-Density Lipoproteins (HDL) have long been regarded as protective in nature, by carrying excess cholesterol away from the arteries and back to the liver for disposal. However, recent studies suggest that different HDL subclasses are associated with CHD prevalence, and that measurement of these subclasses could be a better indicator of CHD than measurement of total HDL alone. Some HDL subfractions may actually have the potential of contributing to heart disease.

The HDL family forms a protective part of plasma lipoproteins. It consists of large HDL, intermediate HDL, and small HDL subclasses. The large HDL and intermediate HDL subclasses are considered anti-atherogenic parts of the HDL family. The atherogenicity of the small HDL subclass is currently the subject of much discussion.

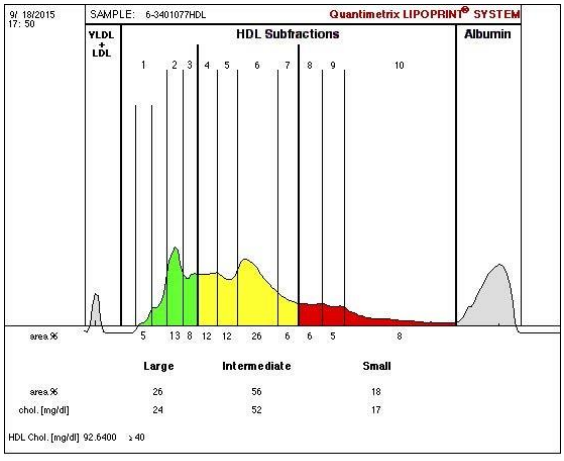
Traditionally, HDL has been separated into two major subclasses (HDL-2 and HDL-3), but depending on the separation method used, 10 subfractions have been reported.
The Liposcreen HDL System can resolve up to 10 subfractions of HDL, and these are grouped into three main subclasses:

HDL 1-3 represent the Large HDL commonly referred to as HDL-2, as the most protective of the the arteries, or truly the "good" HDL cholesterol.

HDL 4-7 represent the Intermediate HDL

HDL 8-10 represent the Small HDL may indicate increased CHD risk.

HDL Subfraction, Large	0.62	> 0.26	mmol/L
HDL Subfraction, Intermediate	1.35	> 0.57	mmol/L
HDL Subfraction, Small	*0.44* *H	< 0.28	mmol/L



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