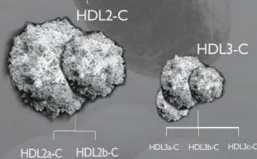


12 DAYS FACTS REASONS TO TEST HDL3-C

High Density Lipoprotein 3 Cholesterol, or HDL3-C, is a smaller more dense subfraction of the HDL particle



HDL3-C absorbs free cholesterol from the peripheral cell membranes

HOW HDL3-C FUNCTIONS

This is converted into cholesterol ester (CE) within the HDL3-C particle

HDL3-C is transformed into larger HDL2-C particles

CE can be transferred from HDL3-C to LDL and VLDL in exchange for triglycerides

Triglyceride-rich HDL2-C undergoes lipolysis and is converted back into HDL3 particles

Evidence suggests measuring **HDL-C subclasses** better reflects cardiac risk than **Total HDL**



... patients with "GOOD HDL" can still have cardiac issues.

HDL3-C

HAS BEEN INDEPENDENTLY ASSOCIATED WITH A

50% GREATER RISK OF MYOCARDIAL INFARCTION IN

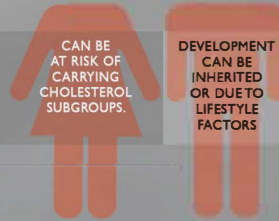
2 EXTENSIVE STUDIES



ANYONE

CAN BE AT RISK OF CARRYING CHOLESTEROL SUBGROUPS.

DEVELOPMENT CAN BE INHERITED OR DUE TO LIFESTYLE FACTORS



RANDOX REAGENTS

A complete cardiac risk profile can only be achieved from routine tests AND further tests to differentiate cholesterol subgroups such as:

- HDL3-C ✓
- sPLA₂-IIA ✓
- Small-Dense LDL Cholesterol ✓
- Apolipoproteins ✓
- Lipoprotein (a) ✓



AEROBIC EXERCISE & DIETARY SUPPLEMENTS SUCH AS OMEGA 3 FATTY ACIDS, NIACIN AND FIBRATES CAN HELP TO IMPROVE HDL3-C / HDL2-C BALANCE.

HDL3-C AVAILABLE FROM RANDOX

LIQUID READY TO USE

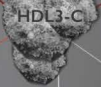
28 DAYS OPEN VIAL STABILITY

EXCELLENT CONTRIBUTION TO ULTRACENTRIFUGATION METHOD

2 STEP PROCEDURE PATENTED TECHNOLOGY FROM DENKA SEIKEN

FULLY AUTOMATED BIOCHEMISTRY ASSAY

EXCLUSIVE TO RANDOX



AVAILABLE FOR MOST AUTOMATED ANALYSERS

WIDE MEASURING RANGE 0-4.60 MG/DL

DEDICATED CONTROLS AND CALIBRATORS AVAILABLE

ROUTINE CHOLESTEROL TESTS MEASURE: HDL, LDL, TRIGLYCERIDES AND TOTAL CHOLESTEROL

THESE TESTS ONLY DETECT

20%

OF ALL CORONARY ARTERY DISEASE PATIENTS.

THE OTHER 80% CAN ONLY BE IDENTIFIED BY SINGLING OUT CHOLESTEROL SUBGROUPS & CARRYING OUT MORE DETAILED TESTING

HDL2-C AND HDL3-C POSSESS TWO DIFFERENT BUT EQUALLY IMPORTANT FUNCTIONS:



HDL2-C CARRIES CHOLESTEROL AWAY FOR DISPOSAL



HDL3-C TRANSFERS LIPIDS FROM HDL TO LDL AND VLDL

DID YOU KNOW!

MEASURING HDL3-C ALLOWS FOR THE QUANTIFICATION OF HDL3-C BY SUBTRACTION OF HDL3-C FROM TOTAL HDL-C

CONVENTIONAL METHODS FOR DETERMINING HDL3-C SUBTRACTIONS ARE TIME CONSUMING & UNSUITABLE FOR ROUTINE ANALYSIS AS THEY INVOLVE ULTRACENTRIFUGATION.

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