



Immuno Diagnostics Pvt. Ltd.

Leading Immuno Assays Laboratory of Northern India
NABL ACCREDITED & ISO 9001:2015 CERTIFIED LABORATORY



Reference No.	: - 1912220009	Age/Gender	: 67 Yrs/Male
Pt's Name	: Mr. NATHU RAM		AMB-KOS
Referred By	: NA		
Sample Collection Date/Time	: 03-Dec-2019	Date	:03-Dec-2019
Sample Receiving Date/Time	: 03-Dec-2019 03:35AM	Approval Date	:03-Dec-2019 06:23AM
Sample From	: KOS DIAG LAB	Report Print Time	:21-Dec-2019 08:53PM

IMMUNOASSAY

Test Description	Observed Value	Biological Reference Interval
Homocysteine* Chemiluminescent Microparticle Immuno Assay (CMIA)	19.60	5.32 - 16.5 umol/L

Interpretation:
Plasma total homocysteine (HCY) is a graded risk factor for cardiovascular disease. The risk increases progressively with homocysteine concentration. Elevated plasma Homocysteine level is a predictor for cardiovascular disease. A dose-dependent effect was noted between Homocysteine level and risk. Homocysteine level also have been found to correlate to the extent of atherosclerotic plaque in the aorta. Homocysteine can impair the ability to repair vascular endothelial cell injury, and thus promote the development of atherosclerosis

Clinical Utility:
* Determine risk for heart disease, stroke and peripheral arterial blood vessel disease.
* Identify vitamin B12 deficiency or folic acid deficiency.
* Identify homocystinuria that causes a deficiency of one of several enzymes needed to convert food to energy.
* Determine a cause for otherwise unexplained blood clots.
High values of homocysteine may be caused by dietary deficiency of folic acid, vitamin B6, or vitamin B1, homocystinuria, renal disease, hypothyroidism, Alzheimer's disease or certain cancers, alcoholism, family history of high homocysteine levels.
Low values may be caused by some medicines or vitamins such as folic acid, vitamin B12, or niacin. False positive or negative results may be seen in peri-menopausal period, hypertension, smoking or tobacco use, excess coffee intake, drugs (anti-convulsants, antibiotics, theophylline, birth control pills, and tamoxifen).

Laboratory is NABL Accredited

*** End Of Report ***



Dr. Ajay Kumar
Ph.D. (BARC)
Specialisation in Thyroid Physiology

Dr. Rohini Bhatia
M.B.B.S., M.D. (Pathology)
Hony Consultant Pathologist

Dr. Malti Goyal
M.B.B.S., M.D. (Path)
Hony Consultant Pathologist

109, Pocket D&E Shopping Complex, Sarita Vihar, New Delhi-110 076

All results should be co-related clinically; if results are alarming or unexpected, contact the laboratory immediately. Not valid for Medico-Legal. Result pertain to the specimen submitted. The Tests with an * are not accredited by NABL.