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Sample Collected At : C00000808-QUALITY CHECK

Bhopal
Madhya Pradesh, INDIA

Name	: MR. DUMMY	Age/Gender	: 26 Years/MALE
Reg No	: 0001EB001000	Barcode No	: E1100001231
Sample Coll Dt	: 02-02-2026 09:58 AM	Reg Date	: 02-02-2026 11:14 AM
Sample Rcv Dt	: 02-02-2026 11:14 AM	Reported Date	: 02-02-2026 12:31 PM
Report Status	: Final	Referred By	: SELF

Tests	Results	Biological Ref Range	Units	Method
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IMMUNOLOGY

HOMOCYSTEINE SERUM

HOMOCYSTEINE	6.0	UPTO 16.20	µmol/L	CLIA
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Specimen:
SERUM

Interpretation:

Plasma total homocysteine (HCY) is a graded risk factor for cardiovascular disease. The risk increases progressively with homocysteine concentration.

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 perimenopausal period, hypertension, smoking or tobacco use, excess coffee intake, drugs (anti-convulsants, antibiotics, theophylline, birth control pills, and tamoxifen).

End Of Report

This report is not subject to use for any medico-legal purposes

Dr. Nitesh Rawat
MD (Pathology)
Consultant Pathologist