



LABORATORY REPORT

NAME : MR.BC0644 REFERRED BY : SELF VISIT NO : VAMP26148089
AGE : 40Y 0M 0D ZERO TARIFF CLIENT CODE COLLECTED ON : 21-04-2026 10:00
GENDER : Male LAB MR# : AAMP01479368 RECEIVED ON : 21-04-2026 19:51
OP / IP / DG # : APPROVED ON : 22-04-2026 18:00
REPORT STATUS : Final Report



Test Name	Result	Biological Ref. Interval	Unit
He4 (Human Epididymis Protein-4) With Roma Index (For Epithelial Ovarian Cancer)			

BIOCHEMISTRY

CA 125 (Cancer Antigen 125) (Serum)

CA 125 24.00 < 35 U/mL
ECLIA

Interpretation:

CA 125 is a high molecular mass glycoprotein. Expresses by epithelial ovarian tumors and other pathological and normal tissues of mullerian duct origin. CA 125 found in a high percentage of ovarian tumors of epithelial origin and useful to monitor cancer treatment, to check for recurrence.

Elevated values are found in cases of:

Endometriosis, Ovarian cyst, early pregnancy, benign disease like pancreatitis, cirrhosis, hepatitis & other malignancies of endometrium, breast, gastrointestinal tract, lung etc.,

HE4 (Human Epididymis Protein-4) (Serum)

HE4 (Human Epididymis Protein-4) 38.00 Pre-menopause: <60.5 pmol/L
ECLIA Post menopause: <104
ROMA (Post menopausal) 24.00 > or = 29.9 : High risk %
< 29.9 : Low risk
ROMA (Premenopausal) 19.00 High risk : > or = 11.4 %
Low risk : < 11.4

Interpretation:

- Elevated HE4 levels are associated with Epithelial ovarian cancer but are not disease specific. This assay should not be used for monitoring patients with Mucinous or Germ cell ovarian cancer
- A change in HE4 level of $\geq 25\%$ is considered significant. Increase in value by 25% or more is suggestive of recurrence or disease progression whereas decrease in value by 25% suggests therapeutic response.
- False positivity is seen in samples containing human anti-mouse antibodies.
- Normal levels do not preclude the presence of malignancy nor are elevated levels an absolute indicator of malignancy. Hence this assay should not be used for screening of cancer.
- Results should be interpreted in conjunction with other clinical & laboratory findings.

Comments:

Human Epididymis Protein 4 (HE4) is a relatively new marker for Ovarian malignancy and indicates gene overexpression. It is used to monitor recurrence & disease progression in patients with Epithelial ovarian malignancy. HE4 when used in conjunction with CA 125 helps in estimating the Risk Of Ovarian Malignancy (ROMA) in premenopausal / postmenopausal females presenting with an adnexal mass.

Increased:

Malignant conditions - Ovarian / Breast / Lung / Endometrial / Gastrointestinal cancers

Non-malignant conditions - Pregnancy, Benign gynecological diseases, Hypertension & Congestive Heart failure





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Sanjeeta

Dr. Sanjeeta
MBBS,MD (Biochemistry)
Consultant Biochemist

Disclaimer:

1. All results released pertain to the specimen as received by the lab for testing and under the assumption that the patient indicated or identified on the bill/test requisition form is the owner of the specimen.
2. Clinical details and consent forms, especially in Genetic testing, histopathology, as well as wherever applicable, are mandatory to be accompanied with the test requisition form. The non-availability of such information may lead to delay in reporting as well as misinterpretation of test results. The lab will not be responsible for any such delays or misinterpretations thereof.
3. Test results are dependent on the quality of the sample received by the lab. In case the samples are preprocessed elsewhere (e.g., paraffin blocks), results may be compromised.
4. Tests are performed as per the schedule given in the test listing and in any unforeseen circumstances, report delivery may be affected.
5. Test results may show inter-laboratory as well as intra-laboratory variations as per the acceptable norms.
6. Genetic reports as well as reports of other tests should be correlated with clinical details and other available test reports by a qualified medical practitioner. Genetic counselling is advised in genetic test reports by a qualified genetic counsellor, medical practitioner or both.
7. Samples will be discarded post processing after a specified period as per the laboratory's retention policy. Kindly get in touch with the lab for more information.
8. If accidental damage, loss, or destruction of the specimen is not attributable to any direct or negligent act or omission on the part of Ampath Labs or its employees, Ampath shall in no event be liable. Ampath lab's liability for a lack of services, or other mistakes and omissions, shall be restricted to the amount of the patient's payment for the pertinent laboratory services.

