



To Authenticate Scan QR Code

Sample Collected At : C00000808-QUALITY CHECK

Bhopal
Madhya Pradesh, INDIA

Name	: DUMMY	Age/Gender	: 25 Years/MALE
Reg No	: 0001EA021816	Barcode No	: E1100001147
Sample Coll Dt	: 31-01-2026 10:09 AM	Reg Date	: 31-01-2026 02:03 PM
Sample Rcv Dt	: 31-01-2026 02:03 PM	Reported Date	: 31-01-2026 02:45 PM
Report Status	: Final	Referred By	: SELF

Tests	Results	Biological Ref Range	Units	Method
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IMMUNOLOGY

PSA (PROSTATE SPECIFIC ANTIGEN) TOTAL SERUM

PSA TOTAL	0.3	0 - 4	ng/mL	CLIA
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Specimen:
SERUM

INTERPRETATION

Prostate-specific antigen (PSA), a glycoprotein is produced by the prostate gland, the lining of the urethra, and the bulbourethral gland. Normally, very little PSA is secreted in the blood. Increases in glandular size and tissue damage caused by benign prostatic hypertrophy, prostatitis, or prostate cancer may increase circulating PSA levels. PSA exists in serum in multiple forms: complexed to alpha-1-anti-chymotrypsin (PSA-ACT complex), unbound (free PSA), and enveloped by alpha-2-macroglobulin (not detected by immunoassays). When total PSA concentration is <2.0 ng/ml, the probability of prostate cancer in asymptomatic men is low, further testing and free PSA may provide little additional information. When total PSA concentration is >10.0 ng/mL, the probability of cancer is high and prostate biopsy is generally recommended. The total PSA range of 4.0 to 10.0 ng/ml has been described as a diagnostic "gray zone," in which the free:total PSA ratio helps to determine the relative risk of prostate cancer. Therefore, some urologists recommend using the free:total ratio to help select which men should undergo biopsy. However even a negative result of prostate biopsy does not rule-out prostate cancer. Up to 20% of men with negative biopsy results have subsequently been found to have cancer. Higher total PSA levels and lower percentages of free PSA are associated with higher risks of prostate cancer. Based on free:total PSA ratio: the percent probability of finding prostate cancer on a needle biopsy by age in years:

Free PSA as a percent of Total PSA	Probability of carcinoma prostate when Total PSA is
>= 26	4.1 - 10.0 ng / ml
20 - 25	8 %
15 - 20	16 %
10 - 15	20 %
0 - 10	28 %
	56 %

Comments:-

False negative / positive results are observed in patients receiving mouse monoclonal antibodies for diagnosis or therapy. PSA total and free levels may appear consistently elevated / depressed due to the interference by heterophilic antibodies and nonspecific protein binding. Results obtained with different assay kits cannot be used interchangeably. All results should be correlated with clinical findings and results of other investigations.

End Of Report

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

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