MAYO CLINIC
Mayo Medical Laboratories

Test Definition: PSAFT

Prostate-Specific Antigen (PSA), Total and Free, Serum

Reporting Title: PSA Total and Free, S
Performing Location: Rochester

Specimen Requirements:

Collection Container/Tube:
Preferred: Red top
Acceptable: Serum gel
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Spin down within 3 hours of draw and separate serum from cells.
Additional Information:
1. Free PSA can only be added on within 12 hours of performing total PSA. Specimen must have been shipped frozen.
2. Include patient's age.

Specimen Type	Temperature	Time
Serum	Frozen	90 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TPSA	Total PSA	Numeric	ng/mL	2857-1
FPSA	Free PSA	Numeric	ng/mL	10886-0
PSA_R	Free PSA/PSA Ratio	Numeric	ratio	12841-3

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
Billing only	PSA, Free	1	84154		
Billing only	PSA, Total	1	84153		

Reference Values:

TOTAL PSA
Males:

Age (Years)	PSA Upper Limit (ng/mL)
<40	< or =2.0
40-49	< or =2.5
50-59	< or =3.5
60-69	< or =4.5
70-79	< or =6.5
> or =80	< or =7.2

Females: not applicable

FREE PSA
Males: When total PSA is in the range of 4.0-10.0 ng/mL, a free:total PSA ratio < or =0.10 indicates 49% to 65% risk of prostate cancer depending on age; a free:total PSA ratio >0.25 indicates a 9% to 16% risk of prostate cancer, depending on age.
Females: not applicable