

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

Ordering Guidance:
[This test may be ordered for patients undergoing evaluation of suspicion of prostate cancer, or for](#) assessing the risk of prostate cancer in patients with borderline or moderately increased total prostate-specific antigen (4.0-10.0 ng/mL).

Necessary Information:
Include patient's age.

Specimen Requirements:
Supplies: Sarstedt Aliquot Tube 5 mL (T914)
Collection Container/Tube:
Preferred: Serum gel
Acceptable: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Centrifuge and aliquot serum into a plastic vial within 3 hours of collection.

Forms:
If not ordering electronically, complete, print, and send 1 of the following forms with the specimen:
[-General Request](#) (T239)
[-Oncology Test Request](#) (T729)

Specimen Type	Temperature	Time	Special Container
Serum	Frozen (preferred)	90 days	
	Refrigerated	72 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
TPSA	Total PSA	Numeric	ng/mL	83112-3
FPSA	Free PSA	Numeric	ng/mL	83113-1
PSA_R	Free PSA/PSA Ratio	Numeric	ratio	12841-3

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:
No

CPT Code Information:
84153
84154

Reference Values:

TOTAL PROSTATE-SPECIFIC ANTIGEN (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:TOTAL PSA

Males:

When Total PSA concentration is in the range of 4.0-10.0 ng/mL:

Probability of cancer			
Free PSA/total PSA ratio	50-59 years	60-69 years	> or =70 years
< or =0.10	49%	58%	65%
0.11-0.18	27%	34%	41%
0.19-0.25	18%	24%	30%
>0.25	9%	12%	16%

Females: Not applicable