



# Test Definition: PSAFT

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

**Reporting Title:** PSA Total and Free, S

**Performing Location:** Mayo Clinic Jacksonville Clinical Lab

**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 serum

**Collection Instructions:** Within 3 hours of collection, centrifuge and aliquot serum into a plastic vial.

**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

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**Reference Values:**

Total prostate-specific antigen (PSA)

Males:

&lt;40 years: &lt; or =2.0 ng/mL

40-49 years: &lt; or =2.5 ng/mL

50-59 years: &lt; or =3.5 ng/mL

60-69 years: &lt; or =4.5 ng/mL

70-79 years: &lt; or =6.5 ng/mL

&gt; or =80 years: &lt; or =7.2 ng/mL

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