

Reporting Title: p2PSA with Prostate Health Index, S  
Performing Location: Rochester

Specimen Requirements:

Patient Preparation:

- 1. Specimens for testing should be collected prior to prostate manipulations such as digital rectal examination (DRE), prostatic massage, transrectal ultrasound (TRUS), and prostatic biopsy.
- 2. A 6-week waiting period between needle biopsy and specimen collection is recommended.
- 3. Specimens should not be collected from patients receiving therapy with high biotin (vitamin B7) doses (ie, >5 mg/day) until at least 8 hours following the last biotin administration.

Collection Container/Tube: Red top (serum gel/SST are **not** acceptable)

Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL

Collection Instructions: Centrifuge, aliquot serum into plastic vial, and refrigerate serum within 3 hours of collection.

Specimen Type	Temperature	Time	Special Container
Serum Red	Frozen	150 days	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
PSAP3	% Free PSA	Numeric	%	12841-3
PSAP4	Prostate Health Index	Numeric		97150-7
PSAP2	[-2]ProPSA, S	Numeric	pg/mL	97149-9
PSAF	Free PSA, S	Numeric	ng/mL	83113-1
PSAT	Prostate Specific Antigen, S	Numeric	ng/mL	83112-3

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

Supplemental Report:

No

CPT Code Information:

- 84153-Total PSA
- 84154-Free PSA
- 86316-[-2]ProPSA

Reference Values:

Females: Not applicable

PROSTATE-SPECIFIC ANTIGEN (PSA) MALES:

Age	Reference range
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<40 Years	< or =2.0 ng/mL
40-49 Years	< or =2.5 ng/mL
50-59 Years	< or =3.5 ng/mL
60-69 Years	< or =4.5 ng/mL
70-79 Years	< or =6.5 ng/mL
> or =80 Years	< or =7.2 ng/mL

PERCENT FREE PSA MALES:

When total PSA is in the range of 4-10 ng/mL

% Free PSA	Probability of cancer
< or =10%	56%
11-15%	28%
16-20%	20%
21-25%	16%
>25%	8%

PROSTATE HEALTH INDEX (*phi*) MALES:

When PSA is in the range of 4-10 ng/mL

<i>phi</i> range	Probability of cancer	95% Confidence interval
0-26.9	9.8%	5.2-15.4%
27.0-35.9	16.8%	11.3-22.2%
36.0-54.9	33.3%	26.8-39.9%
> or =55.0	50.1%	39.8-61.0%