

LAB3842 Prostatic Antigen (PSA) with Reflex to Free PSA Screening

BMC

Performing Location(s)

BMC

Specimen Type

Serum

Preferred Container

Gold or Red top tube

Minimum Volume to Submit for Testing

2 mL Serum

Transportation Needs

Does not need to be sent from outreach sites frozen, can be sent spun and refrigerated in primary tube.

Deliver specimen to laboratory within 1 hour of collection if unspun.

If not possible see "Storage Requirements".

Storage Requirements

Sample tubes should be centrifuged within 2 hour of collection followed by transfer of the serum (red) to a labeled plastic, aliquot tube.

Gold tops do not need to be aliquoted

See Causes of Rejection for temperature requirements.

Causes for Rejection

Mislabeled or unlabeled specimen

Less than 50% draw for vacutainer tubes

> 5 months refrigerated

> 3 hours room temperature

> 5 months frozen

Hemolysis > 500 mg/dL HgB

Lipemia > 1500 mg/dL Trig

Bilirubin > 20 mg/dL Bili

EDTA, Heparin, NaF, Oxalate

TP < 4.2 or > 12.1 g/dL

Interpretation of Total and Free PSA Results
Probability (%) of Detecting Prostate Cancer: Men with Non-Suspicious DRE Results (Parentheses indicate Binomial 95% Confidence Intervals)
Total PSA Reference Range: 0.1 - 4.0 ng/mL

@Total PSA ...	and %Free PSA of ...	the %Probability of Detecting Prostate Cancer for Age Group		
		50-59	60-69	70+
4.0-10.0 ng/mL	≤ 10%	45.3 (33.8 – 57.3)	58.0 (46.5 – 68.9)	70.3 (53.0 – 84.1)
	11 – 19%	22.5 (15.1 – 31.4)	30.3 (23.6 – 37.7)	38.0 (26.7 – 50.3)
	Greater than or equal to 20%	0.0 (N/A)	25.0 (12.7 – 41.2)	28.3 (16.0– 43.5)
Prostate Cancer Prevalence (%):		30.3	37.2	42.9

Reflex Testing

If the Total Prostatic Antigen (PSA) is less than 4.0ng/mL, no further testing will be performed; only CPT 84153 will be billed.

If the Total Prostatic Antigen (PSA) is greater than 10.0ng/mL, no further testing will be performed; only CPT 84153 will be billed.

If the Total Prostatic Antigen (PSA) is greater than 4.0ng/mL and is less than 10.0ng/mL, a Free PSA will be performed and the %Free PSA will be calculated; CPT's 84153 and 84154 will be billed.

Available STAT

No

Methodology

Beckman AU/Dx Series

CPT Code

See Reflex Testing