

## **LAB3843 Prostatic Antigen (PSA) with Reflex to Free PSA Monitoring**

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BMC

### **Performing Location(s)**

BMC

### **Specimen Type**

Serum

### **Preferred Container**

Gold or Red top tube

### **Minimum Volume to Submit for Testing**

2 mL Serum

Multiple test can be performed from this volume.

For question please contact the lab at 547-3975.

### **Storage Requirements**

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

Sample tubes should be centrifuged within 2 hours 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.

### **Transportation Needs**

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

If not possible see "Storage 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, Citrate, Oxalate

TP < 4.2 or > 12.1 g/dL

### **Reference Values**

<b>Interpretation of Total and Free PSA Results</b>
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Probability (%) of Detecting Prostate Cancer: Men with Non-Suspicious DRE Results (Parentheses indicate Binomial 95% Confidence Intervals)				
<b>Total PSA Reference Range: 0.1 - 4.0 ng/mL</b>				
@Total PSA ...	and %Free PSA of ...	the %Probability of Detecting Prostate Cancer for Age Group		
		<b>50-59</b>	<b>60-69</b>	<b>70+</b>
4.0-10.0 ng/mL	≤ 10%	<b>45.3</b> <b>(33.8 – 57.3)</b>	<b>58.0</b> <b>(46.5 – 68.9)</b>	<b>70.3</b> <b>(53.0 – 84.1)</b>
	11 – 19%	<b>22.5</b> <b>(15.1 – 31.4)</b>	<b>30.3</b> <b>(23.6 – 37.7)</b>	<b>38.0</b> <b>(26.7 – 50.3)</b>
	Greater than or equal to 20%	<b>0.0</b> <b>(N/A)</b>	<b>25.0</b> <b>(12.7 – 41.2)</b>	<b>28.3</b> <b>(16.0– 43.5)</b>
Prostate Cancer Prevalence (%):		<b>30.3</b>	<b>37.2</b>	<b>42.9</b>

### 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

84153