

# Alert

Glens Falls Hospital

1.9.2023

## Free (Unbound) Prostate Specific Antigen (fPSA) Testing Available at Glens Falls Hospital Laboratory Starting 01/11/2023

### HIGHLIGHTS:

Effective Wednesday January 11<sup>th</sup>, 2023, we will begin providing in house fPSA testing along with PSA testing when ordered by providers. The paired testing orderable is called “fPSA and tPSA-GFH”. Results are reported with measured values for fPSA and tPSA along with the % ratio of free to total PSA. This ratio of fPSA to tPSA is helpful for prostate cancer screening in patients with tPSA values between 4.0-10 ng/mL and a normal digital rectal examination. The fPSA and tPSA testing will be performed on the Roche Cobas 801 analyzer using electrochemiluminescence technology. The referral testing has been performed on a Roche analyzer. Serial testing should not be impacted by the change of testing location.

In patients with a total PSA concentration between 4-10 ng/mL, the probability of finding prostate cancer on needle biopsy by age in years based on the %fPSA ratio.

%fPSA ratio	Age 50-59	Age 60-69	Age ≥70
≤ 10	49.2	57.5	64.5
11-18	26.9	33.9	40.8
19-25	18.3	23.9	29.7
>25	9.1	12.2	15.8

### PERSONS RESPONSIBLE:

**If you have questions, please contact:**

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