

## Laboratory Testing Update

**Date: March 7th, 2022**

**RE: Free PSA**

Beginning March 29<sup>th</sup>, 2022, Preferred Lab Partners (PLP) in our EDG facility will offer free PSA. The test will be performed on the Roche Cobas instrumentation utilizing an electro-chemiluminescent immunoassay (ECLIA) method. PLP will perform this testing daily.

**Specimen requirement:** serum (SST)

**Temperature stability:** 4 days at 2-8°C

**To order a Total PSA with reflex to % free PSA use the following lab test code: LAB8901**

If Total PSA is between 3.0 – 10.0 ng/mL (lower threshold of 3.0 ng/mL based on NCCN Guidelines Version 1.2022), then free PSA testing will be added. The free PSA % is calculated using results of the total and free PSA tests. The free PSA % is an aid in distinguishing prostate cancer from benign prostatic conditions in men aged 50 or older with negative digital rectal examination findings. Prostatic biopsy is required for the diagnosis of cancer. **This test is an acceptable initial test for prostate cancer screening used in conjunction with a digital rectal exam (DRE).**

**To order a Total PSA + % Free PSA use the following lab test code: LAB8902. This test is not recommended for initial prostate cancer screening.**

Probability of finding Prostate Cancer on needle biopsy by age in years			
% fPSA ratio	50-59	60-69	≥ 70
≤ 10	49 %	58 %	65 %
11-18	27 %	34 %	41 %
19-25	18 %	24 %	30 %
> 25	9 %	12 %	16 %

**Note**

Results obtained from different assay methods (different labs or kits) should not be used interchangeably.

If you have additional questions, please contact Amy Binion, Chemistry Manager, at 301-2077.