

# TECHNICAL

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June, 2019

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## Prostate Specific Antigen, Ultrasensitive

Effective July 17, 2019, Prostate Specific Antigen, Ultrasensitive (PSA-U) will be added to the menu of tests performed onsite at Methodist Hospital Laboratory. This change will provide better turnaround time and cost efficiency.

**Changes:** PSA-U testing has been performed at a reference laboratory in the past. There is no change in methodology of the testing (Roche PSA electrochemiluminescent immunoassay). The lower limit of detection was validated at 0.01 ng/mL.

PSA-U testing is intended for patients with history of radical prostatectomy. After radical prostatectomy, the reference interval is less than 0.05 ng/mL, if there is no residual disease.

Intended initial screening test for prostate cancer (in conjunction with digital rectal exam) is Prostate Specific Antigen (PSA).

**Order:** Prostate Specific Antigen, Ultrasensitive (PSA-U)

**Specimen Requirements:** Serum Separator Tube (SST) or Plasma Separator Tube (PST). Also acceptable: Plain Red or Green (Sodium or Lithium Heparin). Allow specimen to clot completely at room temperature. Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum or plasma to Standard Transport Tube. (Minimal volume: 0.5 mL). After separation from cells the sample is stable for 24 hours at room temperature, 3 days refrigerated and 6 months frozen.

**Test Performed:** 24 hours a day, 7 days a week

**Reporting/Reference Range:** Normal: <0.05 ng/mL

Please direct any questions to Dr. George Bedrnicek at 402 955-5528 or to Dr. Deborah Perry at 402 354-4559.