

Lab Med Report

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IN THIS ISSUE: Post-vasectomy Semen Analysis (PVSA)

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The American Urological Association (AUA) provides guidelines for post-vasectomy semen analysis (PVSA). Evaluation of a fresh uncentrifuged semen sample includes evaluation for motile sperm and enumerating sperm.

AUA definitions for PVSA include:

Azoospermia: Absence of sperm during microscopic exam of at least 50 Hpfs in a single well mixed, uncentrifuged semen specimen

Rare non-motile sperm (RMNS): Presence of $\leq 100,000$ non-motile sperm/mL based on microscopic exam of at least 50 Hpfs in a single well mixed, uncentrifuged postvasectomy semen specimen assuming no motile sperm are observed

Munson Medical Center laboratory has determined that less than 8 sperm per high-power microscopic field (Hpf) indicates less than 100,000 sperm/mL. Accordingly, beginning in February 2017, we will report sperm per high-power field, and less than or greater than 100,000 sperm/mL, in PVSA.

References:

1. www.auanet.org/education/guidelines/vasectomy

2. <http://www.cap.org/ShowProperty?nodePath=/UCMCon/Contribution%20Folders/WebContent/pdf/cm-b-semen-analysis.pdf>