

<b>DATE:</b>	2021 April 5
<b>TO:</b>	All AHS Internal and External Clients, Physicians
<b>FROM:</b>	Alberta Precision Laboratories, Dynalife Medical Laboratories
<b>RE:</b>	<b>Provincial Standardization of Post-Vasectomy Semen Analysis Testing</b>

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**Key Message:**

- As of **April 6, 2021** laboratory reporting of Post-Vasectomy Semen Analysis will be standardized provincially to align with American Urological Association guidelines. This will apply to all Alberta Precision Laboratories and DynaLIFE Medical Laboratories performing Post Vasectomy Semen Analysis testing in the province. This **does not** affect samples referred to the Diagnostic Semen Laboratories for testing.

**Why this is important:**

- Reporting of Post-Vasectomy Semen Analysis will include the following variables:
  - Motility - If motile sperm are present the results indicate persistent fertility, and sperm concentration will not be measured.
  - Volume - Reported in mL.
  - Sperm Concentration - Note that only values in the range of 60,000-400,000 sperm/mL will be quantitated. Results outside that range will be reported as <60,000 sperm/mL or >400,000 sperm/mL
- The following comment will be appended to all reports: *"The American Urological Association (Sharlip et al. Vasectomy: AUA Guideline. J.Urol. 2012; 188(6Suppl): 2482-2491) indicates that patients may stop using other methods of contraception when there is absence of motile sperm, AND non-motile sperm are <100,000/mL (Evidence Strength: Grade C)."*
- As a result of the need for motility assessment, the sample must reach the laboratory testing site within 30-60 minutes of specimen production and must remain at body temperature. This can be achieved by transporting the specimen in an inside jacket pocket.**
- Samples that require sperm quantification may take up to 1 week to be reported.

**Action Required:**

- Follow and adhere to collection, labeling and delivery requirements as outlined on the provincial APL [Semen Analysis Requisition](#) or DynaLIFE Semen Analysis Requisitions: [Northern Lights](#), [Edmonton](#)
- The requisition must be completely filled out, **including the specimen collection questions**, prior to delivery of specimen to the laboratory.
- Patients should be informed of the strict specimen timeline requirements, as well as hours and address of laboratories performing testing as indicated on the requisition.

**Inquiries and feedback may be directed to:**

- Julie Chan, Laboratory Technologist II, Andrology Laboratory, Alberta Precision Laboratories, 780-735-5098.



**ALBERTA PRECISION  
LABORATORIES**

Leaders in Laboratory Medicine

- DynaLIFE Hematology at 780-451-3702 ext 7300

**This bulletin has been reviewed and approved by:**

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