



Date: June 29, 2020
To: Central Zone, South Sector, Laboratory Directors, Managers and Supervisors
From: Clinical Biochemistry, South Sector, Alberta Precision Laboratories (APL)
Re: Changes to Urinalysis Reporting

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message:

- Effective **July 7, 2020**, the following changes will be implemented in urinalysis reporting:
 - For urines with an abnormal color (other than colorless, yellow or amber):
 - Only color and clarity will be reported, all other macroscopic (dipstick) tests will be resultated as “*Unable to interpret due to interfering substance*”.
 - Urine microscopy will be automatically triggered.
 - Changes to microscopic element reporting:

Microscopic element	Changes to urine microscopy
Mucus	No longer reported on urine microscopy.
Epithelial Cells	Non-squamous epithelial cells category has been removed. New categories for Epithelial cells: <ul style="list-style-type: none"> • Squamous/Transitional epithelial • Renal Tubular epithelial cells
Sperm	<ul style="list-style-type: none"> • Sperm reported on females less than 16 years of age will be accompanied by the provincial sexual interference comment: “<i>This result needs to be interpreted with other clinical information to determine if investigation by Alberta Children Services is warranted. It is the ordering physician's responsibility to notify regional offices or the Provincial Child Abuse Hotline (1-800-387-5437) if indicated.</i>”
Trichomonas	<ul style="list-style-type: none"> • When present on males and females < 16 years of age the provincial sexual interference comment will be auto appended (same comment listed above for sperm on females < 16 years of age)

Why this is Important:

- These changes in urinalysis reporting are to standardize laboratory nomenclature, reporting and processes within APL North and South Sectors in preparation for Connect Care implementation.

Action Required:

- Be aware of the changes in urinalysis reporting.

Inquiries and feedback may be directed to:

- Yury Butorin, PhD, Clinical Biochemist, Red Deer Regional Hospital, 403-406-5633, Yury.Butorin@albertaprecisionlabs.ca

This bulletin has been reviewed and approved by:

- Heidi Paulin, MD, Regional Lab Medical Site Chief, Red Deer Regional Hospital
- Hossein Sadrzadeh, PhD, Section Chief, Clinical Biochemistry, South Sector
- Leland Baskin, MD, Associate Medical Director, South Sector