

Date: December 1, 2015
To: North Zone – Fox Creek Physicians, Nursing and Laboratory Supervisor
From: AHS Laboratory Services
Re: Ionized Calcium

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Messages:

- Effective **December 7, 2015** Ionized Calcium testing will be implemented at Fox Creek Hospital

Important Information:

- Effective **December 7, 2015**, physicians in Fox Creek will be able to order Ionized Calcium if the total Calcium is

<2.00 mmol/L
- The Ionized Calcium will need to be a recollection as this order may come several days after the initial testing
- Ionized Calcium will be run by laboratory staff on the iSTAT analyzer

Sample Requirements:

- Venous whole blood, Lithium or Sodium Heparin vacutainer tube – must be filled to stated fill volume
- Arterial/Venous whole blood, PICO Blood Gas syringe (collected by non-lab staff) with a minimum 0.7mL volume
- Must be analyzed within 10 minutes of collection

Reference Range:

Analyte	Units	Sample Type	Reference Range	Critical Value
Ionized Calcium	mmol/L	Venous	1.10 - 1.35	<0.80 or >1.50

Action Required:

- NA

Inquiries and feedback may be directed to:

Dr. Kaila Topping, Consulting Pathologist at 587-786-6711 or kaila.topping@albertahealthservices.ca

This bulletin has been reviewed and approved by:

Dr. Carolyn O'Hara, Deputy Zone Clinical Department Head, Diagnostic Health – Laboratory & Pathology, North Zone