

Laboratory Bulletin

Date: October 6, 2011

To: All Zones: Physicians, Nurses and Laboratories

From: AHS Laboratory Services – All Zones

Re: Lactate – Reference Range and Critical Value Standardization

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Messages:

1. The reference range and critical value for lactate will be standardized throughout the province as of

- October 11, 2011 for South, Calgary, Central and North Zones
- November 30, 2011 for Edmonton Zone
- 2. The reference range and critical value for lactate in whole blood (arterial, venous and capillary), serum and plasma are as follows:

Reference Range	0.5 – 2.2 mmol/L
Critical Value	Greater than 4.0 mmol/L

3. This standardization initiative impacts the different Zones as listed below:

North Zone:

Former Peace Country Health Region-critical value increased, currently 2.1 mmol/L

Former Aspen Health region – no changes

Central Zone:

Former East Central Health Region – critical value decreased, currently greater than 5.0 mmol/L Former David Thompson Health region – critical value established, currently no critical value South Zone:

Former Chinook Health Region – change in reference range, currently less than 2.0 mmol/L Former Palliser Health Region – change in reference range, currently 0.5-1.6 mmol/L

- critical value established, currently no critical value

<u>Calgary Zone:</u> critical value decreased, currently greater than 4.1 mmol/L <u>Edmonton Zone:</u> critical value decreased, currently greater than 5.0 mmol/L

For additional questions contact:

Dr. James Wesenberg, 403-343-4723 or james.wesenberg@albertahealthservices.ca

This bulletin has been reviewed and approved by:

Dr. Leland Baskin, AHS Medical / Scientific Director, Laboratory Services - Calgary

Dr. Carolyn O'Hara, AHS Medical / Scientific Director, Laboratory Services - Edmonton

Dr. James Wesenberg, AHS Medical / Scientific Director, Laboratory Services - Regional Centres and Rural