

Date: March 11, 2011

To: South Zone - West
Physicians & Physician Offices, South Zone West Labs/Collection Sites, All Clinics, Nursing Unit Managers, Continuing Care Facilities, Lethbridge College/University of Lethbridge Student Health

From: AHS Laboratory Services – South Zone (West)
Dr. K. Ung, Consulting Pathologist, Chemistry, Chinook Regional Hospital Laboratory

Re: LB-01-11 Change to Analytical Method for Estradiol

PLEASE POST OR DISTRIBUTE AS WIDELY AS APPROPRIATE

Key Message:

The CRH Laboratory's analytical method for Estradiol is changing **effective March 15, 2011**. The new method offers several improvements, the most significant being that of standardization to Isotope Dilution-GC/MS. Users will see a change in Reference Intervals:

	<u>Current Method</u>	<u>New Method</u>
Reference Intervals	Males (>17 y): 43 – 151 pmol/L	Males (>17 y): <147 pmol/L
	Females (pmol/L):	Females (pmol/L):
	Follicular: 69 – 905	Follicular: 72 – 529
	Midcycle: 130 – 2095	Midcycle: 235 – 1309
	Luteal: 82 – 940	Luteal: 205 – 786
	Post Menopause: 0 – 163	Post Menopause: <118

Why this is important:

Reference Intervals will be changing with the new method – users need to be aware of these changes, particularly if monitoring estradiol results over time.

Inquiries and feedback may be directed to:

Eugene Boehr, Chemistry Department Supervisor at 403-388-6092 or Dr. K. Ung at 403-388-6151

This bulletin has been reviewed and approved by:
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Clinical Department Facility Chief – Chinook Regional Hospital