

Date: June 02, 2016
To: Central Zone: Physicians, Nurses and Laboratories
From: AHS Laboratory Services
Re: Change of Methodology for Troponin I Testing – Central Zone

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Key Messages:

- Effective 08 June, 2016, some laboratory sites in Central Zone will move to a new methodology, the Alera Triage-Biosite meter (Triage), for primary or back-up testing of troponin I testing.
- Central Zone laboratory sites that will have Triage as their **primary** method of measurement for troponin:

Laboratory Site	
Daysland Health Centre*	Provost Health Centre*
Castor	St. Joseph's General Hospital Vegreville*
Consort	Sylvan Lake
Coronation	Tofield Health Centre*
Centennial Centre	Two Hills Health Centre*
Hardisty*	Vermilion Health Centre*
Killam Health Care Centre*	Viking Health Centre*
Lamont Health Care Centre*	

*Site already using Triage for primary testing of troponin

- Central Zone laboratory sites that will have Triage as their **back-up** method of measurement for troponin:

Laboratory Site	
Drayton Valley Hospital and Care Centre	Rimbey Hospital and Care Centre
Drumheller Health Centre	Rocky Mountain House Health Centre
Hanna Health Centre	St Mary's Hospital Camrose*
Innisfail Health Centre	Stettler Hospital and Care Centre
Lacombe Hospital and Care Centre	Sundre Hospital and Care Centre
Olds Hospital and Care Centre	Three Hills Health Centre
Ponoka Hospital and Care Centre	Wainwright Health Centre*
Red Deer Regional Hospital Centre	Wetaskiwin Hospital and Care Centre

*Site already using Triage for back-up testing of troponin

- Results reported from the Triage meter will have the following comment:
"In a clinical setting consistent with Acute Coronary Syndrome, TnI >0.02 ug/L is consistent with myocardial injury whereas peak TnI < or = 0.02 ug/L is consistent with myocardial ischemia without injury. TnI >0.02 ug/L may also be observed in several cardiac and systemic diseases (most commonly - acute PE, acute pericarditis, acute or severe HF, myocarditis, sepsis and/or shock)."

Action Required:

- Collect the sample in an EDTA test tube; the test code remains the same
- Be aware that each methodology of troponin can give a different reference interval
 - When sites use the Triage meter, the reference interval is ≤ 0.02 ug/L

Inquiries and feedback may be directed to:

- Dr. Allison Venner, Clinical Biochemist, Central Zone at 403-406-5633 or allison.venner@ahs.ca

This bulletin has been reviewed and approved by:

Dr. Garnet Horne, Central Zone Clinical Department Head, Pathology and Laboratory Medicine