

**Date:** April 30, 2013

**To:** All Zones  
Physicians, Laboratory Directors, Managers and Pathologists

**From:** AHS Laboratory Services – Genetic Laboratory Services  
Molecular Pathology Laboratory - University of Alberta Hospital (UAH)

**Re:** MLH1 Promoter Hypermethylation Testing

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**Key Messages:**

- Beginning May 6, 2013, the Molecular Pathology Laboratory at the University of Alberta Hospital (UAH) will begin MLH1 promoter hypermethylation testing.
- MLH1 promoter hypermethylation testing distinguishes sporadic MSI-High tumors from tumors with germline mutations in the MLH1 mismatch repair gene (Lynch Syndrome).

**Action Required:**

- Continue to use existing Molecular Pathology requisitions until further notice.
- Please refer to the AHS Edmonton Zone Test Directory for additional test information at: <http://www.albertahealthservices.ca/3217.asp>.

**Sample Type:**

- MLH1 promoter hypermethylation is performed on formalin fixed paraffin embedded tissue blocks.

**Inquiries and feedback may be directed to:**

- Dr. Iyare Izevbaye, Head, Molecular Pathology Laboratory, UAH at: 780-407-8025.

**This bulletin has been reviewed and approved by:**

Dr. Martin Somerville, Medical/Scientific Director, Genetic Laboratory Services