

<b>DATE:</b>	20 March 2023
<b>TO:</b>	All Zones
<b>FROM:</b>	Genetics and Genomics, Alberta Precision Laboratories
<b>RE:</b>	<b>New Dried Blood Spot Methionine Monitoring</b>

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### Key Message

- APL Genetics and Genomics now offers dried blood spot (DBS) Methionine monitoring for classical homocystinuria screening.

### Background

- DBS methionine quantitation is supplemental to newborn screening and is intended for classical homocystinuria screening in asymptomatic infants.

### How this will impact you

- Plasma amino acid measurement for the determination of methionine concentration to investigate possible classical homocystinuria in an asymptomatic infant can be replaced with DBS methionine monitoring performed in the Biochemical Genetics laboratory in Edmonton.

### Action Required

- Information for and ordering of Methionine, Dried Blood Spot Test code 1442 is available in ConnectCare. Alternatively, this test can be ordered on the recently updated Genetics and Genomics Biochemical Genetics Requisition.

**Effective      Immediately**

### Questions/Concerns

- Dr. Ross Ridsdale, Biochemical genetics North, [Ross.Ridsdale@albertaprecisionlabs.ca](mailto:Ross.Ridsdale@albertaprecisionlabs.ca), 780-407-4570
- Dr. Iveta Sosova, Biochemical genetics North, [Iveta.Sosova@albertaprecisionlabs.ca](mailto:Iveta.Sosova@albertaprecisionlabs.ca), 780-407-7379
- Dr. Lauren MacNeil, Biochemical genetics North, [Lauren.MacNeil@albertaprecisionlabs.ca](mailto:Lauren.MacNeil@albertaprecisionlabs.ca), 780-407-1275

### Approved by

- Dr. Dennis Bulman, Medical/Scientific Director, Genetics & Genomics, Alberta Precision Laboratories
- Dr. Carolyn O'Hara, Chief Medical Laboratory Officer (Interim), Alberta Precision Laboratories