



**Date:** December 28, 2020  
**To:** Edmonton Zone  
**From:** Genetics and Genomics  
**Re:** Sendout testing on direct amniotic fluid and chorionic villus samples

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**Key Message:**

- Effective immediately, the Molecular Genetics Laboratory (MGL) North will follow the process established by the Genetic Resource Centre (GRC) for all sample types regarding the minimum DNA requirements for testing in other molecular laboratories.

**Why is this important:**

- All molecular genetics laboratories have sample acceptance criteria. The DNA extracted from a direct prenatal sample may not meet that minimum criteria.
- If the DNA extracted from the direct prenatal sample does not meet the sample acceptance criteria established by the external testing laboratory, the sample will not be sent. DNA will, instead, be extracted and sent from the cultured sample. The clinician(s) will receive a report indicating that a sendout is not possible on the direct prenatal sample and that the sendout will occur after DNA has been extracted from a cultured sample. This reporting replaces the previous phone and/or email communications.
- The ordering clinician(s) will continue to receive sendout reports indicating a sample has been sent out as per the current practice.

**Action Required:** None

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

- Genetics & Genomics North, Genetic Counsellors: 780-407-1015

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

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