

<b>DATE:</b>	29 May 2023
<b>TO:</b>	All Zones
<b>FROM:</b>	Genetics and Genomics, Cancer Cytology North/South Sectors
<b>RE:</b>	<b>Clinical Practice Guideline for Chronic Lymphocytic Leukemia</b>

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### Key Message

- Effective June 1, 2023, all qualifying Chronic Lymphocytic Leukemia (CLL) samples for Fluorescence in situ Hybridization (FISH) Cytogenetic analysis will only include testing for TP53 deletion.
- All provincial testing for CLL FISH will be performed at the Edmonton Cytogenetics laboratory in Edmonton

### Background

- Following the Clinical Practice Guideline for Chronic Lymphocytic Leukemia (February 2023), LYHE-007 – Version 8, [www.ahs.ca/guru](http://www.ahs.ca/guru), the approach to CLL FISH testing is being updated to provide a consistent provincial standard of care in Northern and Southern Alberta.

### How this will impact you

- FISH cytogenetic reports will include results for TP53 deletion [del(17p)]. FISH cytogenetic analysis will no longer be offered for ATM (11q22) deletion, 13q14 deletion, and trisomy 12.

### Action Required

- Please submit patient samples for CLL FISH cytogenetic testing to the Edmonton Cytogenetics Laboratory, at the University of Alberta Hospital. Please see APL Test Directory (<http://ahsweb.ca/lab/apl-td-lab-test-directory>) for ordering instructions (CLL FISH), requisitions and specimen requirements.

### Effective

- June 1, 2023

### Questions/Concerns

- Reporting Concerns or Questions:
  - Dr. Maisa Yoshimoto, Laboratory Head: 780-407-3983, [maisa.yoshimoto@aplabs.ca](mailto:maisa.yoshimoto@aplabs.ca)
- Technical Concerns or Questions:
  - Jill Simpson, Tech II: 780-407-2395, [jill.simpson@aplabs.ca](mailto:jill.simpson@aplabs.ca)
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### Approved by

- Dr. Dennis Bulman, Medical/Scientific Director, Genetics & Genomics, APL
- Dr. Dylan Pillai, Medical Director South, South Sector, APL