

DATE:	2021 June 14
TO:	Physicians and health care professional in all AHS zones
FROM:	Clinical Biochemistry, Alberta Precision Laboratories (APL) and DynaLIFE Medical Labs
RE:	Glucose Meter Check – Availability in Connect Care and Clarification on Intended Use for Blood Glucose Meters Only

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Key Message

- The Glucose Meter Check is used to compare the accuracy of a patient's **blood** glucose meter with the lab glucose value.
- **Effective immediately**, the Glucose Meter Check is available to be ordered in Connect Care.
- The Glucose Meter Check is intended for use only for Blood Glucose Meters (monitors). It does **not** apply to Flash Glucose Meters (Flash) or Continuous Glucose Monitors (CGM).

Background

- The accuracy of patient's blood glucose meter is routinely compared to lab tested glucose values.
- The Glucose Meter Check does not apply to Flash or CGM due to the limited performance data compared to lab results.
- Time of last meal or any food intake should be considered when interpreting results as blood glucose meter readings from capillary blood from finger skin puncture may be 20-25% higher (peak value) than venous glucose 1 hour after eating.
- The Glucose Meter Check is currently available at some non-Connect Care sites within Alberta and will continue to be offered. The availability at current and future Connect Care sites aligns with the initiative to access lab tests equally throughout the province.
- The Connect Care report includes:
 - Glucose, Patient Glucose Meter (value from patient's glucose meter)
 - Glucose (value from lab glucose test)
 - % difference between glucose meter and lab result
 - Absolute difference between glucose meter and lab result
 - Patient Glucose Meter Brand
 - Hours Fasting

How this will impact you

- Ensure that this test only applies to patient's Blood Glucose Meters. When requested on patients using Flash or CGM systems, orders will be cancelled indicating *"Request is inappropriate for continuous glucose monitors and flash glucose meters"*.

Action Required

- For Connect Care users, ensure all the fields (glucose meter value, glucose meter brand, hours fasting) are filled out appropriately when the specimen is collected.



Questions/Concerns

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- DynaLIFE Clinical Chemists, 780-451-3702 ext. 3572 or clinical.chemists@dynamlife.ca

Approved by

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