

DATE: March 18th, 2021
TO: UCM Medical Staff, Housestaff, Nursing Staff, Patient Care Centers, and Outpatient Clinics
FROM: KT Jerry Yeo, PhD, DABCC, FAACC, Medical Director, Clinical Chemistry Laboratories
Xander van Wijk, PhD, DABCC, FAACC, Assistant Medical Director, Clinical Chemistry
Laboratories, Medical Director, Rapid Response Laboratory
RE: Clinical Chemistry Updates

Effective **March 24th, 2021**, the Clinical Chemistry & Rapid Response Laboratories will be making the following changes:

- 1) PTH assay: Venous blood will be collected in lavender top tube.
- 2) Updated reference ranges
 - a. Na¹: 135-145 mmol/L
 - b. Cl¹: 98-108 mmol/L
 - c. Lactic acid²: 0.4-2.0 mmol/L
- 3) Whole blood Lead (Pb)
 - a. Venous blood lead will be collected in Tan-top tube (test code PBB); collections for capillary lead remains the same (test code PBBC)
 - b. The whole blood reference range will be updated to **<5 µg/dl** per CDC recommendations³.



Tan-top tube



Capillary tube

If you have any questions, please contact either of us by email at jyeo@bsd.uchicago.edu or xvanwijk@bsd.uchicago.edu.

References

1. UCM Clinical Chemistry Laboratory Internal Reference range validations
2. Singer et al. The third international consensus definitions for sepsis and septic shock (Sepsis-3) *JAMA*. 2016;315(8):801-810. doi:10.1001/jama.2016.0287
3. CDC Blood Lead Reference Value. <https://www.cdc.gov/nceh/lead/data/blood-lead-reference-value.htm>
<https://www.cdc.gov/niosh/topics/ables/ReferenceBloodLevelsforAdults.html>