

Date: 4/27/2023

To: UCM Medical Staff, House staff, Nursing Staff, Patient Care Centers, and Outpatient Clinics

From: KT Jerry Yeo, PhD, DABCC, FAACC
Medical Director, Clinical Chemistry Laboratories

Subject: Test Changes Post-EPIC Beaker Live

Effective Date: 4/29/2023

Laboratory Section: Clinical Chemistry

Summary:

Post EPIC Beaker (Lab Information System) go-live, the following tests will change as follows:

Test Codes:

- A. Serum and Urine Electrophoresis/Immunofixation orders:
 - 1. Tests code LABCHEX, 'Serum Protein Electrophoresis only' will be obsolete. Please use LABCHIEX: Protein Electrophoresis w/ reflex to Immunofixation
 - 2. **New Code** – LABCHSPEPIFE, Protein Electrophoresis and Immunofixation will be available for order.
 - 3. No change to Urine Electrophoresis/Immunofixation orders
 - a. LABCHRUIEX: Urine Protein Electrophoresis/Immunofixation, random
 - b. LABCHUIEX: Urine Protein Electrophoresis/Immunofixation, timed

- B. New Test Codes for Fluid Chemistry
 - 1. LABCHAFLU: Amniotic fluid glucose
 - 2. LABCHFLCA125: Fluid CA-125
 - 3. LABCHSFLDH: CSF LDH

Units and Reference Ranges

- A. Plasma ionized calcium (iCa) ordered on Li heparin plasma samples
 - 1. Reporting units for iCa will be **changed** from mg/dL to **mmol/L** to standardize with those ordered on ABG specimens, which are currently reported in mmol/L.
 - Please note that 1 mmol/L iCa = 4.0 mg/dL iCa (factor of 4).
 - 2. There will be no change to the reference range, **1.15-1.35 mmol/L** (4.6-5.4 mg/dL) or the test code (IOCA).

- B. Ammonia (NH₄)
 - 1. Change of reporting units from mcg/dL to μmol/L.
 - Please note that 1 mcg/dl = 0.58 μmol/L
 - 2. Reference range is 12-41 μmol/L.

Questions:

If there are any questions regarding this change, please contact:

- Dr. Jerry Yeo from Clinical Chemistry (jyeo@bsd.uchicago.edu)