

**UPDATE**

# i-STAT Testing Change

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## THE ISSUE:

Upstate was notified on 1/15/2020 that the i-STAT CHEM8 and CG4 cartridges made by Abbott were deemed **not cleared** for use by the FDA.

## THE SOLUTION SO FAR:

FDA has **cleared the CHEM8 cartridge** including all analytes. April 2020, the FDA has provided **emergency clearance for use of the CG4 cartridge** during the COVID emergency. Upstate has purchased sufficient of the CG4 cartridges for expected use and will **restock the locations that were previously using the CG4 cartridges.**

## WHERE WE'RE AT SO FAR:

- Locations which were previously using the CG4 cartridge should go back to using the CG4 cartridge rather than the CG8 cartridge. **Downtown and Community Adult ED, Pediatric ED, 12F, 8E, 6H, and 6I.**
  - EPIC orders: i-STAT CG4 = POC2700 (POCT i-STAT VBG), POC300 (POCT i-STAT ABG)  
i-STAT CHEM8 = POC2701
- Other locations using the CG8 cartridges should continue to use those cartridges.

## IMPORTANT NOTES:

**None** of these cartridges are currently **waived** by the FDA and thus **may NOT** be used in physician office clinics. At this time, the only clinic affected by this is the cardiology clinic at UHCC.

**UPDATE**

**Cleared by FDA**



**The CHEM8 cartridge measures:**



sodium, potassium, chloride, blood urea nitrate (BUN), ionized calcium, CO<sub>2</sub>, glucose, creatinine, and hematocrit

**The CG8 cartridge measures:**



sodium, potassium, ionized calcium, glucose, hematocrit, pH, pCO<sub>2</sub>, and pO<sub>2</sub>. (*TCO<sub>2</sub>, HCO<sub>3</sub>, base excess, and O<sub>2</sub> saturation are calculated*)

**The Crea cartridge measures:**



creatinine.

**The CG4 cartridge measures:**



pH, pCO<sub>2</sub>, pO<sub>2</sub>, and lactate.