

July 11, 2025

To: All Greater Peoria Service Area Carle Health Facilities

From: Carle Health: Peoria Service Area Laboratories

Ionized Calcium Testing – West Region Unit of Measure Update Effective July 16

Inform and Cascade: Please ensure this message is shared with all relevant patient care team members.

INFORM

Effective **July 16**, ionized calcium results in the **Carle Health Peoria Service Area**—including **Methodist Hospital, Pekin Hospital, and Proctor Hospital**—will be reported in **mmol/L**. This change aligns the West Region with the standard already in place across other Carle Health regions and supports consistent interpretation of results across care settings.

To implement the new units of measure, a short 20–30-minute downtime of iSTAT and ABL90 testing will occur across the Peoria Service area: Proctor Hospital at 9:00 AM, Pekin Hospital at 9:30 AM, and Methodist Hospital at 10:00 AM.

BACKGROUND

As part of the i-STAT platform implementation, the West Region will transition from reporting ionized calcium in mg/dL to mmol/L. The updated parameters are:

- **Reference Range:** 1.2–1.3 mmol/L
- **Critical Values:** <0.7 mmol/L and >1.6 mmol/L
- **Analytical Measurement Ranges (AMR):**
 - i-STAT: 0.35–2.1 mmol/L
 - ABL90: 0.5–1.88 mmol/L

CLOSING

Please update your clinical workflows and interpretation practices accordingly. This is an informational update to support your day-to-day patient care. No action is required beyond awareness of the new unit of measure.

If you have any questions, please contact us:

Methodist Campus Care Team:
309-672-4911

Carle Health Clinic Care Team
309-672-4911

Pekin Campus Care Team
309-353-0737

Carle Health Methodist Reference Lab
309-672-4911

Proctor Campus Care Team
309-691-1060

Elizabeth A. Bauer-Marsh, M.D.
Laboratory Medical Director,
Carle Health Methodist Hospital
Phone: 309-672-4972
elizabeth.bauer-marsh@carle.com

Lily Babione, M.D.
Laboratory Medical Director,
Carle Health Pekin and Proctor Hospitals
Phone: 309-672-4930
lily.babione@carle.com

Stephanie Burton, CLS (ASCP)
Regional Director of Laboratory Services
Carle Health Greater Peoria Laboratories
Phone: 309-672-4921
stephanie.burton@carle.com