

High Sensitivity Troponin I (hsTnI) Conversion

Changes on 4/15/2025

- All sites will switch to **High assay sensitivity Troponin I or hsTnI assay on** Abbott Alinity analyzers
- Name of the test in PowerChart: HS-Troponin I
- Standardization of care and clinical decision-making with same analyzer, assay, reference ranges & critical values **across all sites**
- Increased hemolysis threshold and no interference with biotin

| | Roche hsTnT (DE campuses) | Beckman hsTnI (Cecil campus) | Abbott hsTnI |
|---|--------------------------------------|--------------------------------------|---|
| 99 th % Reference Range (Adult Female) | ≤ 14 ng/L | ≤ 15 ng/L | ≤ 14 ng/L |
| 99 th % Reference Range (Adult Male) | ≤ 22 ng/L | ≤ 20 ng/L | ≤ 35 ng/L |
| Troponin Critical | ≥ 52 ng/L | ≥ 52 ng/L | ≥ 64 ng/L |
| Delta Reference Range | (-)6 – (+)6 ng/L over a 2-to-6-hours | (-)6 – (+)6 ng/L over a 2-to-6-hours | (-)14 – (+)14 ng/L over a 2-to-6-hour time period |
| Delta Critical | ≥ 7 ng/L ng/L DELTA over 2-6 hours | ≥ 7 ng/L ng/L DELTA over 2-6 hours | ≥ 15 ng/L ng/L DELTA over a 2-to-6-hour time period |

NEW!

Protocols are unchanged regarding automated reordering and chest pain onset order details  ChristianaCare®