



MEMORANDUM

DATE: April 11, 2025

TO: South Carolina Newborn Screening Community

FROM: Jenny Meredith, Ph.D., HCLD(ABB)
SC DPH Public Health Laboratory (PHL) Director

SUBJECT: South Carolina (SC) Newborn Screening (NBS) Program's updated display of analyte values on the lab report

Effective April 23, 2025, the SC Newborn Screening Laboratory is updating the display of analyte values on the lab report for certain analytes in the Amino Acid and Acylcarnitine panels. The analytes listed in Table 1 will now display values with three decimal places rather than two. Both the analyte value and the corresponding expected range will reflect this change.

Table 1. Analytes with updated display of reported analyte values

ASA	C8 (Octanoyl carnitine)
SA	C10:2 (Decadienoyl carnitine)
C5:1 (Tiglyl carnitine)	C5DC (Glutaryl carnitine) + C6OH (3-Hydroxy-hexanoyl carnitine)
C5 (Isovaleryl carnitine)	C14:1 (Tetradecenoyl carnitine)
C3DC (Malonyl carnitine) + C4OH (3-Hydroxy-butyryl carnitine)	C16OH (3-Hydroxy-palmitoyl carnitine)
C4DC (Methylmalonyl carnitine) + C5OH (3-Hydroxy-isovaleryl carnitine)	

This change is part of the SC NBS Program's commitment to continuous improvement.

Please direct any questions to Beth Bair, MS, Newborn Screening Section Director at bairea@dph.sc.gov; 803-896-0991.