

We recommend reviewing the form contents prior to submitting. Please note, once the form is saved/submitted, you may not make changes. Contact [laura.russell@aphl.org](mailto:laura.russell@aphl.org) if needed.

NBS Analyte Affected	Amino acids Leucine, Methionine, Phenylalanine and others
Test Method (please include vendor):	MS/MS
Contributing Factor	Special Diets
Other Contributing Factor	
Mode of Interference	Contamination
Root Cause:	Highly concentrated infant formula feeding of baby
Effect on NBS Results:	May elevate some amino acids and/or free carnitine
Analyte Disruption Description	Concentrated infant formula fed to baby can begin to elevate amino acids and/or carnitine.
Frequency:	
Duration of Interference	Up to 48 hours after diet normalization
Notes	Can mimic TPN feeding profile on MS/MS. May also elevate free carnitine. May be more prevalent on second screens.
Grade of Certainty	C- Possible
<p>See definitions below</p> <p><b>A- Definite</b> Well documented – multiple references</p> <p><b>B- Probable</b> Documented – single reference</p> <p><b>C- Possible</b> Not documented, but reported by personal communications or expert opinion</p> <p><b>D- Not Likely</b> Interference is not reproducible or consistent</p> <p><b>E- Unknown</b> No evidence to support or refute interference</p>	
Grade of Certainty Comments:	