

CP 2.9 Follow-up for Dried Blood Spot (DBS) Specimens with Total Parenteral Nutrition (TPN) Interpretation

POLICY: The TPN Interpretation of the Newborn Screening dried blood spot specimens is determined by testing algorithms on the MS/MS Amino Acid Panel. Those deemed TPN are followed up by the ASC to obtain a repeat specimen.

General Information

- The general expectation is that TPN Interpretation will occur with some NICU infants.
- Positive case interpretation will override TPN interpretation for MS/MS Panel.
- Follow-up of TPN Interpretation on babies in regular nurseries or discharged home may be assigned to coordinators or program specialists. TPN Interpretation on babies in NICUs may be assigned to coordinators, program specialists, or community liaisons.
- SIS ordinarily matches multiple specimens collected from the same baby. However, on occasion, it will not match specimens: ASCs routinely look in SIS for other specimens collected from a baby who has had a TPN Interpretation test.

PROTOCOL:

Resp. Person	Action
Assigned ASC Staff	<ul style="list-style-type: none"> • Reviews daily NBS Headline Cases for cases with TPN Interpretation. • Within 48 hours of notification notifies provider (hospital, physician, midwife, etc.); verifies infant received TPN. • Instructs Hospital or provider to obtain another specimen <u>72 hours after TPN discontinued</u>. Offers assistance in arranging for collection of another specimen. Enters appropriate TE in SIS. • Follows case until repeat specimen is collected with normal or positive results documented in SIS. • Periodically scans SIS to find other specimens collected from the baby and then matches them in SIS (SIS ordinarily automatically matches babies, but occasionally does not). • Completes Anomalous/Inconsistent form for TPN Interpretation if confirmed infant was never on TPN, or if followed with a Positive MS/MS result on repeat screen.