

## Phenylalanine and Tyrosine, Blood Spot

Test ID: PKUBS

**Explanation:** On the effective date, the Reference Values and Specimen Stability will be updated.

Current Reference Value
PHENYLALANINE: 27.0-107.0 nmol/mL
TYROSINE: <4 weeks: 40.0-280.0 nmol/mL > or =4 weeks: 25.0-150.0 nmol/mL

New Reference Value
PHENYLALANINE 27-107 nmol/mL
TYROSINE: <4 weeks: 40-280 nmol/mL > or =4 weeks: 25-150 nmol/mL

Current Specimen Stability
<b>Preferred:</b> <b>Specimen Type:</b> Blood spot <b>Supplies:</b> Card-Blood Spot Collection (Filter Paper) (T493) <b>Preferred:</b> Blood Spot Collection Card <b>Acceptable:</b> Whatman Protein Saver 903 Paper, PerkinElmer 226 filter paper, Munktell filter paper, or blood collected in tubes containing EDTA and dried on filter paper. <b>Specimen Volume:</b> 2 Blood spots <b>Collection Instructions:</b> 1. An alternative blood collection option for a patient older than 1 year of age is a fingerstick. See <a href="#">How to Collect Dried Blood Spot Samples</a> via fingerstick. 3. Let blood dry on filter paper at room temperature in a horizontal position for a minimum of 3hours. 4. Do not expose specimen to heat or direct sunlight. 5. Do not stack wet specimens. 6. Keep specimen dry. <b>Specimen Stability Information:</b> Ambient (preferred) 21 days/Refrigerated 10 days/Frozen 10 days

New Specimen Stability
<b>Preferred:</b> <b>Specimen Type:</b> Blood spot <b>Supplies:</b> Card-Blood Spot Collection (Filter Paper) (T493) <b>Preferred:</b> Blood Spot Collection Card <b>Acceptable:</b> Whatman Protein Saver 903 Paper, PerkinElmer 226 filter paper, Munktell filter paper, or blood collected in tubes containing EDTA and dried on filter paper. <b>Specimen Volume:</b> 2 Blood spots <b>Collection Instructions:</b> 1. An alternative blood collection option for a patient older than 1 year of age is a fingerstick. See <a href="#">How to Collect Dried Blood Spot Samples</a> via fingerstick. 3. Let blood dry on filter paper at room temperature in a horizontal position for a minimum of 3hours. 4. Do not expose specimen to heat or direct sunlight. 5. Do not stack wet specimens. 6. Keep specimen dry. <b>Specimen Stability Information:</b> Ambient (preferred) <b>7</b> days/Refrigerated <b>14</b> days/Frozen <b>90</b> days

**Acceptable:****Specimen Type:** Whole blood**Container/Tube:** Lavender top (EDTA)**Specimen Volume:** 2 mL**Collection Instructions:** Send whole blood specimen in original tube. **Do not aliquot.****Specimen Stability Information:** Refrigerate (preferred) 3 days/Ambient 2 days**Acceptable:****Specimen Type:** Whole blood**Container/Tube:** Lavender top (EDTA)**Specimen Volume:** 2 mL**Collection Instructions:** Send whole blood specimen in original tube. **Do not aliquot.****Specimen Stability Information:** Refrigerate 6 days**Questions**

Contact Melissa Tricker-Klar, Laboratory Resource Coordinator at 800-533-1710.