**In order to insure that we are providing the best laboratory testing for patients that may have a biochemical genetic disease, the following tests should be sent to the following laboratory, unless the ordering provider specifically indicated a different laboratory.**

| Old Test Name | Where it was previously sent | New Test Name | Performing Laboratory | Sample requirements | Useful For: |
|---|---|---|---|---|---|
| Amino Acid, Single Quantitative - request phenlyalanine **PKU** | Clinical Research - Lawton Center | **order: MISC - Phenylalanine,** PhenylalanineQuantitative, Plasma or Urine | **Clinical Research - Lawton Center** | **1 mL plasma or serum frozen 10 mL from 24-hour urine collected with 10 g boric acid frozen** | Monitoring of diet therapy in PKU patients |
| Amino Acid Screen **AA-S** | Clinical Research - Lawton Center | **order: MISC - MAYO 537,** Amino Acids Quantitative Ion-Exchange, Random, Urine | **MAYO 537** | **2.0 mL from a random urine frozen** | Evaluating patients with possible inborn errors of metabolism. Amino acid analysis may also have clinical importance in the evaluation of several acquired conditions, including endocrine disorders, liver diseases, muscle diseases, neoplastic diseases, neurological disorders, nutritional disturbances, renal failure, and burns. |
| Amino Acid, Quantitative, serum or plasma **AAA-QT** | Clinical Research - Lawton Center | **order: MISC - MAYO 9265,** Amino Acids Quantitative Ion-Exchange, Plasma | **MAYO 9265** | **0.5 mL of heparinized plasma frozen** | Evaluating patients with possible inborn errors of metabolism. Amino acid analysis may also have clinical importance in the evaluation of several acquired conditions, including endocrine disorders, liver diseases, muscle diseases, neoplastic diseases, neurological disorders, nutritional disturbances, renal failure, and burns. |
| Amino Acid, Quantitative, urine **AAAQT-U** | Clinical Research - Lawton Center | **order: MISC - MAYO 8392,** Amino Acids Quantitative Ion-Exchange, 24 hr Urine | **MAYO 8392** | **2.0 mL from a 24-hour urine collection frozen** | Evaluating patients with possible inborn errors of metabolism. Amino acid analysis may also have clinical importance in the evaluation of several acquired conditions, including endocrine disorders, liver diseases, muscle diseases, neoplastic diseases, neurological disorders, nutritional disturbances, renal failure, and burns. |
| Amino Acids, Qualitative, Urine **MISC** | Mayo | **order: MISC - MAYO 8400,** Amino Acids, Qualitative, Urine | **MAYO 8400** | **1.0 mL from a random urine frozen** **This is not a change** | Evaluating patients with possible inborn errors of metabolism. Amino acid analysis may also have clinical importance in the evaluation of several acquired conditions, including endocrine disorders, liver diseases, muscle diseases, neoplastic diseases, neurological disorders, nutritional disturbances, renal failure, and burns. |
| Amino Acids, Qualitative, Plasma **MISC** | Mayo | **order: MISC - MAYO 83172,** Amino Acids, Qualitative, Plasma | **MAYO 83172** | **0.5 mL of heparinized plasma frozen** **This is not a change** | Evaluating patients with possible inborn errors of metabolism. Amino acid analysis may also have clinical importance in the evaluation of several acquired conditions, including endocrine disorders, liver diseases, muscle diseases, neoplastic diseases, neurological disorders, nutritional disturbances, renal failure, and burns. |
| Amino Acid, Single Quantitative **MISC** | Clinical Research - Lawton Center | **order: MISC - Specify Amino acids (s)** Quantitative, Plasma or Urine | **Clinical Research - Lawton Center** | **1 mL plasma or serum frozen 1.0 mL of spinal fluid frozen 10mL from a 24-hour urine collected in boric acid** | Monitoring of diet therapy in inborn errors of metabolism and other conditions |
| Amino Acid, Single Quantitative **MISC** | Clinical Research - Lawton Center | Amino Acids, Quantitative, Plasma, Spinal Fluid, or Urine, specifiy amino acid(s) | **MAYO 9223** | **0.5 mL of heparinized plasma frozen 1.0 mL of spinal fluid frozen 2.0 mL from a 24-hour urine collection frozen** | Monitoring of diet therapy in inborn errors of metabolism and other conditions - SAME TEST AS ABOVE BUT SOME PROVIDERS REQUEST IT BE SENT TO MAYO |

Revised May 2009
D. Hoefner