

**New Test**      **2014314**      **Autism and Intellectual Disability Comprehensive Panel**      **AID COMP**  
**Available Now**



**Patient History For Biochemical Genetics**

**Methodology:** Tandem Mass Spectrometry, Electrophoresis/Spectrophotometry, Gas Chromatography/Mass Spectrometry, Liquid Chromatography/Tandem Mass Spectrometry, and Quantitative Liquid Chromatography/Tandem Mass Spectrometry, Genomic Microarray (Oligo-SNP Array), Polymerase Chain Reaction/Capillary Electrophoresis

**Performed:** Varies

**Reported:** 5-18 Days

**Specimen Required:** Patient Prep: **Urine:** Morning void preferred.

**Plasma:** Adults: Fasting specimen preferred. Infants and children: Draw specimen prior to feeding or 2-3 hours after a meal.

**Whole Blood Specimens:** no collection time requirements

Collect: **Test Requires 4 Specimens:** Urine, Plasma, and 2 Whole Blood

**Urine:** Random urine. Avoid dilute urine when possible.

**Plasma:** Green (Sodium or Lithium Heparin).

**Whole Blood, Specimen 1:** Lavender (EDTA), Pink (K<sub>2</sub> EDTA), or Yellow (ACD).

**Whole Blood, Specimen 2:** Green (Sodium Heparin). Also acceptable: Lavender (EDTA).

Specimen Preparation: **Urine:** Transfer 15 mL urine to ARUP Standard Tubes and freeze immediately. (Min: 10 mL; for volumes less than 10 mL, contact the Biochemical Genetics Lab before sending the specimen) Avoid dilute urine when possible.

**Plasma:** Separate from cells ASAP or within 2 hours of collection. Avoid transferring buffy coat material. Transfer 2.5 mL plasma to an ARUP Standard Transport Tube and freeze immediately. (Min: 0.75 mL)

**Whole Blood Specimens:** Transport 5 mL whole blood for each tube. (Min: 1.5 mL each)

Storage/Transport Temperature: **Urine and Plasma: CRITICAL FROZEN. Separate specimens must be submitted when multiple tests are ordered.**

**Whole Blood Specimens:** Room temperature.

Remarks: Label each container with specimen type.

**Urine and Plasma: Clinical information is needed for appropriate interpretation.** Additional required information includes age, gender, diet (e.g., TPN therapy), drug therapy, and family history. **Biochemical Genetics Patient History Form is available on the ARUP Web site at <http://www.aruplab.com/patienthistory> or by contacting ARUP Client Services.**

Unacceptable Conditions: **Urine:** Specimens exposed to more than one freeze/thaw cycle. Specimens containing preservatives.

**Plasma:** Specimens exposed to more than one freeze/thaw cycle. Hemolyzed specimens.

**Whole Blood Specimens:** Clotted specimens.

Stability (collection to initiation of testing): **Urine:** Ambient: Unacceptable; Refrigerated: Unacceptable; Frozen: 1 month

**Plasma:** After separation from cells: Ambient: Unacceptable; Refrigerated: 24 hours; Frozen: 1 month

**Whole Blood, Specimen 1:** Ambient: 72 hours; Refrigerated: 1 week; Frozen: Unacceptable

**Whole Blood, Specimen 2:** Ambient: 48 hours; Refrigerated: 72 hours; Frozen: Unacceptable

**Reference Interval:** By report

**Interpretive Data:** See Compliance Statement B: [www.aruplab.com/CS](http://www.aruplab.com/CS)

**Note:** This panel includes Acylcarnitine Quantitative Profile, Plasma (ARUP test code 0040033); Mucopolysaccharides Screen - Electrophoresis and Quantitation, Urine (ARUP test code 0081352); Organic Acids, Urine (ARUP test code 0098389); Creatine Disorders Panel, Serum or Plasma (ARUP test code 2002328 ); Creatine Disorders Panel, Urine (ARUP test code 2002333); Amino Acids Quantitative by LC-MS/MS, Plasma (ARUP test code 2009389); Cytogenomic SNP Microarray (ARUP test code 2003414); Fragile X (*FMR1*) with Reflex to Methylation Analysis (ARUP test code 2009033). If Fragile X testing detects a CGG repeat of 55 or greater by PCR and capillary electrophoresis, methylation analysis will be added. Additional charges apply.

**CPT Code(s):** 82017; 82664; 83864; 83918; 82540 x2; 83789 x2; 82570; 82139; 81229; 81243; if reflexed add 81244;

New York DOH approval pending. Call for status update.

**HOTLINE NOTE:** Refer to the Test Mix Addendum for interface build information.