

TEST CHANGE

Whole Genome Sequencing

3016493, WGS NGS

Specimen Requirements:

Patient Preparation:

Collect: Lavender (EDTA) or pink (EDTA) ~~or yellow (ACD solution A or B)~~. Peripheral blood required. Contact ARUP's genetic counselor at 800-242-2787 ext. 2141 prior to test submission. Refer to Whole Genome Sequencing, Familial Control (ARUP test code 3016497) for parental specimen requirements. Two parental controls are recommended for optimal whole genome analysis. New York State Clients: ARUP cannot facilitate testing for New York patients. Please work directly with a New York-approved laboratory.

Specimen Preparation: Transport 2 mL whole blood. (Min: 1.0 mL) Refer to Whole Genome Sequencing, Familial Control (ARUP test code 3016497) for parental specimen requirements.

Transport Temperature: Refrigerated. Refer to Whole Genome Sequencing, Familial Control (ARUP test code 3016497) for parental specimen requirements.

Unacceptable Conditions:

Remarks: When ARUP is requested to initiate preauthorization, DNA extraction will be performed on the proband and comparator samples to ensure sample stability (DNA Extract and Hold, ARUP test code 3005714, will be added to each sample by ARUP, additional charges apply). The cost of DNA extraction is credited when genome sequencing is performed.

Stability: Ambient: 72 hours; Refrigerated: 1 week; Frozen: Unacceptable

Methodology: Massively Parallel Sequencing

Performed: Varies

Reported: 14-21 days

Note: The ability to identify causative variant(s) for the patient's presentation is strongly influenced by the quality of the clinical information provided.

CPT Codes: 81425; per familial comparator, 81426 is added

New York DOH Approval Status: Specimens from New York clients will be sent out to a New York DOH approved laboratory, if possible.

Interpretive Data:

Reference Interval:

Test Number	Components	Reference Interval
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