
Lab Dept: Anatomic Pathology

Test Name: CONGENITAL ADRENAL HYPERPLASIA
(CYP11B1) SEQUENCING

General Information

Lab Order Codes: CYPB

Synonyms: CAH CYP11B1 Sequencing; CYP11B1 Sequencing; CYP21A2 Sequencing

CPT Codes: 81405 – Molecular Pathology Level 6

Test Includes: CYP11B1 sequencing

Logistics

Test Indications: Testing for monogenic hypertension; androgen excess, virilization, and hypertension; family history of congenital adrenal hyperplasia.

Lab Testing Section: Anatomic Pathology – Sendouts

Referred to: Athena Diagnostics Laboratory (Athena Test: 774)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Monday – Thursday by 15:00 only

Turnaround Time: 2 - 4 weeks

Special Instructions: Collect specimen MONDAY – THURSDAY by 15:00 only. Specimen stability is 24hrs.

Include forms [Athena requisition](#) and "[The Medical Practitioner's Authorization form](#)" with specimens.

Specimen

Specimen Type: Whole blood

Container: Lavender top (EDTA) tube
Alternate: Yellow-top (ACD-A) tube

Draw Volume: 10 mL (Minimum 2 mL) blood.

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| Processed Volume: | 2 – 10 mL whole blood |
| Collection: | Routine venipuncture |
| Special Processing: | Lab Staff: For short period (until ship), store refrigerated. Do Not Centrifuge. Specimen should remain in the original collection container. Store and ship at room temperature via overnight courier to Athena MON-THURS ONLY so that specimens arrive at Athena on weekday. Forward promptly. Specimen must arrive at Athena less than 24 hours after collection. |
| Patient Preparation: | None |
| Sample Rejection: | Mislabeled or unlabeled specimens |

Interpretive

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| Reference Range: | Interpretive report |
| Limitation: | Hemolysis may compromise DNA recovery and integrity after 48hrs. |
| Methodology: | DNA sequencing of entire protein coding region of the gene; for CYP11B1 |
| References: | Athena Diagnostics Laboratory July 2011 (800) 394-4493 Fax: (508) 753-5601 |
| Updates: | 3/6/2014: CPT updates |