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**Lab Dept:** Anatomic Pathology

**Test Name:** X-LINKED ADRENOLEUKODYSTROPHY (ABCD1) SEQUENCING

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***General Information***

**Lab Order Codes:** ABCD

**Synonyms:** ABCD1 Sequencing

**CPT Codes:** 81405 – ABCD1, full gene sequence (Molecular Pathology, Level 6)  
81479 – Molecular Pathology Unlisted procedure

**Test Includes:** ABCD1 gene sequencing

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***Logistics***

**Test Indications:** Confirm diagnosis of X-Linked Adrenoleukodystrophy.

**Lab Testing Sections:** Anatomic Pathology – Sendouts

**Referred to:** Johns Hopkins DNA Diagnostic Laboratory, Baltimore, MD

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** Results are reported in 4 weeks

**Special Instructions:** Include a completed [Johns Hopkins Form](#) with the specimen or patient to the laboratory.

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***Specimen***

**Specimen Type:** Whole blood

**Container:** Lavender top (EDTA) tube

**Draw Volume:** 6 mL (Minimum: 3 mL) blood

**Processed Volume:** Same as Draw Volume

**Collection:** Routine venipuncture

**Special Processing:** Lab Staff: Do Not Centrifuge. Blood specimen should remain in the original collection container. Store and ship at refrigerated temperatures with a cool pack by overnight courier. Forward promptly.

Samples can be stored at ambient temperatures if it will arrive less than 36 hours after collection. Samples are stable at 4 degrees Celsius for longer than 1 week.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** Interpretive report

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Bidirectional sequencing

**References:** [Johns Hopkins Diagnostic Lab](#) October 2013  
(410) 955-0483 Fax: (410) 955-0484

**Updates:** 2/11/2013: CPT update