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**Lab Dept:** Anatomic Pathology

**Test Name:** PRIMARY CILIARY DYSKINESIA PANEL

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***General Information***

**Lab Order Codes:** PCDP

**Synonyms:** Primary Dyskinesia Panel (PCD)

**CPT Codes:** 81479 – Molecular pathology, unlisted

**Test Includes:** ARMC4, C21orf59, CCDC103, CCDC114, CCDC151, CCDC39, CCDC40, CCDC65, CCNO, DNAAF1, DNAAF2, DNAAF3, DNAAF5, DNAH11, DNAH5, DNAH8, DNAI1, DNAI2, DNAL1, DRC1, DYX1C1, MCIDAS, NME8, OFD1, RPGR, RSPH1, RSPH4A, RSPH9, SPAG1, ZMYND10

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***Logistics***

**Test Indications:** PCD is associated with neonatal respiratory distress, chronic cough, recurrent pneumonia, persistent sinusitis and otitis media, and laterality defects.

**Lab Testing Section:** Anatomic Pathology - Sendouts

**Referred to:** Invitae

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

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 – 5 weeks

**Special Instructions:** A test requisition must be sent with all specimens. Forms can be obtained at: <https://invitae.com/en/order-forms/>

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***Specimen***

**Specimen Type:** Whole blood

**Container:** Lavender top (EDTA) tube  
Alternate: Buccal Swab

**Draw Volume:** 5 mL (Minimum: 3 mL) blood

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| <b>Processed Volume:</b>    | Same as Draw Volume  |
| <b>Collection:</b>          | Routine venipuncture, invert gently to mix   |
| <b>Special Processing:</b>  | Lab Staff: <b>Do Not Centrifuge</b> . Send whole blood in original collection container labeled with patient name, date of birth and medical record number. Fill out Invitae request form (required); must have the patient name and date of birth, name and phone number of referring physician, test ordered, and indication of testing (ie, clinical information, diagnosis, is the patient a carrier?). Send at refrigerated temperatures.<br><br>Note: Specimens are stable for 1 week at refrigerated temperatures and 48 hours at ambient temperatures. |
| <b>Patient Preparation:</b> | None   |
| <b>Sample Rejection:</b>    | Mislabeled or unlabeled specimens  |

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### ***Interpretive***

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|-------------------------|--|
| <b>Reference Range:</b> | An interpretive report will be provided.   |
| <b>Methodology:</b>     | Next generation sequencing technology (NGS)  |
| <b>References:</b>      | <a href="https://invitae.copm/en/physician/tests/04101/?cat=CAT000016">Invitae</a> January 2016<br><a href="https://invitae.copm/en/physician/tests/04101/?cat=CAT000016">https://invitae.copm/en/physician/tests/04101/?cat=CAT000016</a> |
| <b>Update:</b>          | Alternate specimen (8/17/22)   |