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**Lab Dept:**                    **Anatomic Pathology**

**Test Name:**                **PRIMARY CILIARY DYSKINESIA PANEL**

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***General Information***

**Lab Order Codes:**        PCPD

**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

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

**Processed Volume:**      Same as Draw Volume

**Collection:** Routine venipuncture, invert gently to mix

**Special Processing:** Lab Staff: **Do Not Centrifuge.** 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.

Note: Specimens are stable for 1 week at refrigerated temperatures and 48 hours at ambient temperatures.

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** An interpretive report will be provided.

**Methodology:** Next generation sequencing technology (NGS)

**References:** [Invitae](https://invitae.copm/en/physician/tests/04101/?cat=CAT000016) January 2016  
<https://invitae.copm/en/physician/tests/04101/?cat=CAT000016>