

---

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

**Test Name:**                **POLYCYSTIC KIDNEY DISEASE (PKD1/PKD2)  
SEQUENCING**

---

***General Information***

**Lab Order Codes:**        PKDX

**Synonyms:**                Autosomal Dominant Polycystic Kidney Disease; PKDX

**CPT Codes:**                81406 x1 – Molecular Pathology, Level 7  
81407 x1 – Molecular Pathology, Level 8

**Test Includes:**             Sequencing of the PKD1 and PKD2 genes

---

***Logistics***

**Test Indications:**        Use to detect sequence variants in PKD1 and PKD2.

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

**Referred to:**              Athena Diagnostic Laboratory (Athena Test#: 725)

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

STP Lab: 651-220-6550

**Test Availability:**        Daily, 24 hours

**Turnaround Time:**        Results are reported in 4-6 weeks

**Special Instructions:**    Note if patient is symptomatic or asymptomatic. If the patient is asymptomatic, complete and submit "[Medical Practitioner's Athorization form](#)" and an [Athena Request Form](#) with the specimen or patient to the laboratory.

---

***Specimen***

**Specimen Type:**            Whole blood

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

**Draw Volume:**             10 mL blood

**Processed Volume:**       Same as Draw Volume

<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: Do Not Centrifuge. Specimen should remain in the original collection container. Store and ship at room temperature. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Mislabeled or unlabeled specimens

---

### ***Interpretive***

<b>Reference Range:</b>	No sequence variants in PKD1 and PKD2.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	N/A
<b>Methodology:</b>	Polymerase Chain Reaction (PCR) and bi-directional sequencing of entire coding regions of PKD1 and PKD2.
<b>References:</b>	<a href="#">Athena Diagnostics</a> April 2010 (800) 394-4493 Fax: (508) 753-5601
<b>Updates:</b>	2/7/2013: CPT update 3/6/2014: CPT update