

## References

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2. Cloutier J, et al. Kidney stone analysis: "Give me your stone, I will tell you who you are!" *World J Urol* 2015;33(2):157–69.
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## Calculi



testing at ARUP Laboratories



[www.aruplab.com](http://www.aruplab.com)

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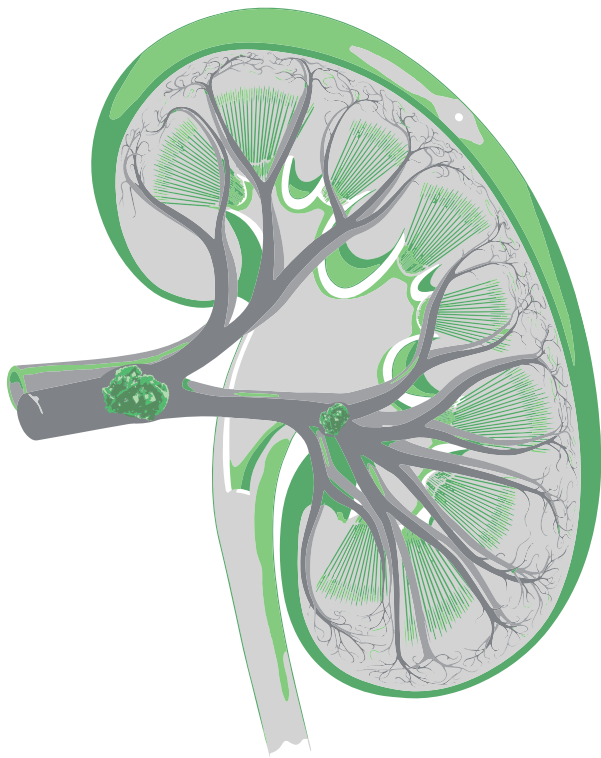
keyword: STONES

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ARUP offers a comprehensive menu to assess patients with kidney stone disease. **Calculi (stone) testing specializes in two areas** that provide valuable information to determine appropriate treatment and course of patient care:

1. Assessing and monitoring the risk of stone formation (urine studies)
2. Evaluating stone composition

## Epidemiology

- Approximately 11 percent of adults in the United States will develop kidney stones in their lifetime. These rates double in patients with a family history of stones.
- Men are two to three times more likely than women to experience kidney stones.
- The five-year recurrence rate is reported to be as high as 50 percent after the first episode.
- Incidence of this disease is rising and estimated to cost \$5.3 billion per year in healthcare dollars.

ARUP has designed efficient urine panels that assess stone-forming risk, monitor the course of therapy, and reduce testing expenses.

Calcium

Creatinine

Citric Acid

Oxalate

Uric Acid

Chloride

Magnesium

pH

Phosphorus

Potassium

Sodium

Sulfate

Supersaturation: Calcium Phosphate (Brushite)

Supersaturation: Uric Acid

Supersaturation: Calcium Oxalate

Interpretation

Enhanced Graphical Report

Kidney Stone Risk Panel, Urine (0020843)

Calculi Risk Assessment, Urine (2008708)

Supersaturation Profile, Urine (2008771)

## Benefits of Calculi Testing at ARUP

- ARUP has designed efficient urine panels that assess stone-forming risk, monitor the course of therapy, and reduce testing expenses. (ARUP test codes 2008771, 2008708, 0020843)
- ARUP has developed in-house technology for stone processing which reduces errors and decreases turnaround time.
- A full stone analysis with a photo is available through ARUP's enhanced reporting system.

## Available Laboratory Testing

### test code test name

#### Evaluation of stones

0099460 Calculi (Stone) Analysis

2005231 Calculi (Stone) Analysis with Photo

#### Diagnose or monitor cystinuria (rare genetic disease)

0081105 Cystinuria Panel  
To diagnose or rule out cystinuria.

0081106 Cystine Quantitative, Urine  
For monitoring treatment of patients previously diagnosed with cystinuria.

