

[aruplab.com/
testing/stones](https://aruplab.com/testing/stones)

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.
3. Moe OW. Kidney stones: pathophysiology and medical management. *Lancet*. 2006;367(9507):333–44.



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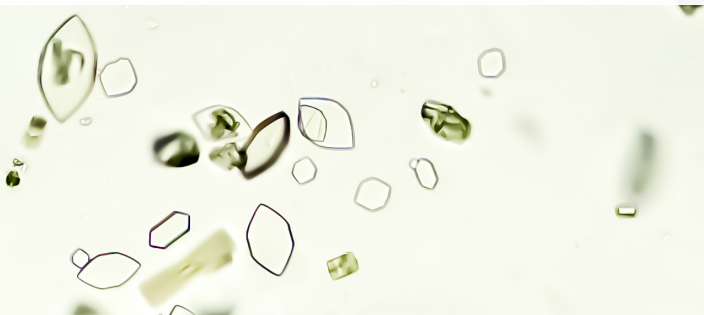
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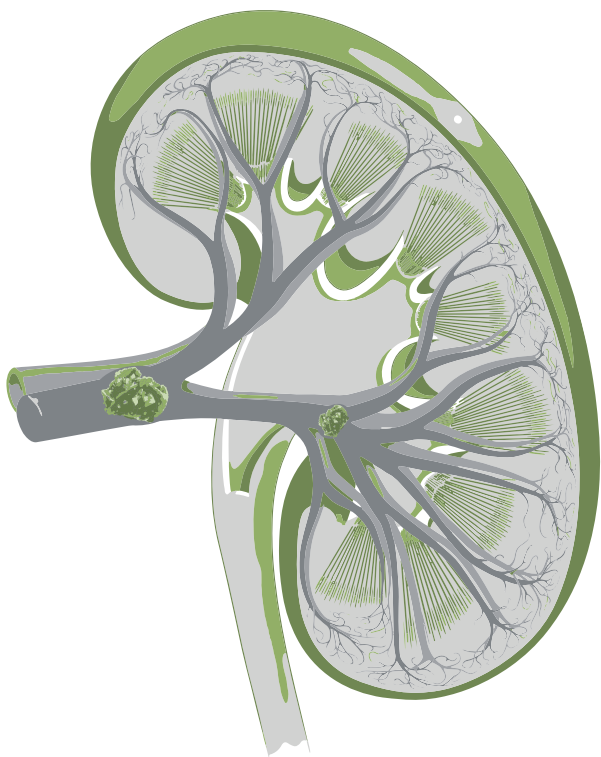
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Calculi

testing at ARUP Laboratories





ARUP offers a comprehensive menu to assess patients with kidney stone disease. **Calculi stone testing is especially effective in two areas:**

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

This testing provides valuable information to determine appropriate treatment and the course of patient care.

Epidemiology

- Approximately 11% 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% 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
Citric Acid
Oxalate
Uric Acid
Creatinine

**Kidney Stone
Risk Panel, Urine
(0020843)**

Chloride
Magnesium
pH
Phosphorous
Potassium
Sodium

**Calculi Risk Assessment, Urine
(2008708)**

Sulfate
Relative Supersaturation (stone
formation risk calculation):
Calcium oxalate
Calcium phosphate (Brushite)
Uric acid

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.
- Enhanced graphical reports available for Calculi Risk Assessment (2008708), Supersaturation Profile (2008771), and Calculi (Stone) Analysis with Photo (2005231).

Available Laboratory Testing

Test Code and Name

Evaluation of Stones

0099460 Calculi (Stone) Analysis

2005231 Calculi (Stone) Analysis with Photo

Diagnose or Monitor Cystinuria (A 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.

Evaluation of Stone Risk

0020843 Kidney Stone Risk Panel, Urine

2008708 Calculi Risk Assessment, Urine

2008771 Supersaturation Profile, Urine

