

ARUP Accession number: 16-193-102484
 Patient:
 Date of birth:
 Age:
 Gender:

Physician:
 Client:

ARUP Test Code: 2008708
 Collection Date: 07/10/2016
 Received in lab: 07/12/2016
 Completion Date: 07/15/2016

Specimen Condition

Analyte	Result	Units	Reference Interval	Effect
Creatinine	780	mg/d	500-1400	Excretion provides a measure of completeness of 24h urine collection.
Total Volume	1950	mL		Low urine volume (<1L/24h) promotes calculi formation.
pH	7.35		5.00-7.50	Acidic urine (pH<5.5) promotes precipitation of uric acid. Alkaline urine (pH>7.2) promotes formation of CaHPO4 stones.

Stone Formation Promoters

Analyte	Result	Units	Reference Interval	Effect
Calcium	18	mg/d	*	Hypercalciuria (>200 mg/d) promotes formation of CaOx and CaHPO4 stones.
Oxalate	21	mg/d	4-31	Hyperoxaluria (>40 mg/d) promotes formation of CaOx stones.
Phosphorus	195	mg/d	400-1300	Phosphorus forms insoluble complexes with calcium.
Sodium	99	mmol/d	51-286	Increased sodium promotes formation of CaOx and CaHPO4 stones.
Uric Acid	275	mg/d	250-750	Hyperuricosuria (>600 mg/d) promotes formation of uric acid stones.

Stone Formation Inhibitors

Analyte	Result	Units	Reference Interval	Effect
Citrate	117	mg/d	320-1240	High citrate inhibits formation of CaOx and CaHPO4 stones.
Magnesium	138	mg/d	12-199	High magnesium inhibits formation of CaOx and CaHPO4 stones.

Other Components

Analyte	Result	Units	Reference Interval	Effect
Potassium	86	mmol/d	25-125	Potassium forms soluble complexes.
Chloride	92	mmol/d	140-250	Chloride forms soluble complexes.

***Interpretive Information**

Calcium-free diet: 5-40 mg/d
 Low calcium diet (800 mg/d or less): 50-150 mg/d
 Average calcium diet (about 800 mg/d): 100-250 mg/d
 High calcium diet (800 mg/d or greater): greater than 250 mg/d

Reference intervals for random urine samples (mg/L) are not available.

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).



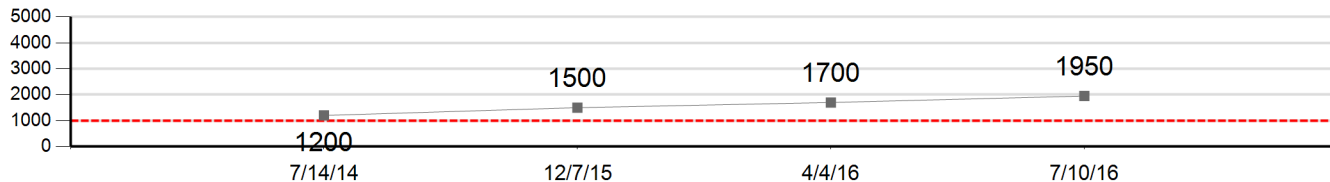
Chart continues on following page(s)

Calculi Risk Assessment, Urine

Patient: _____ | Date of Birth: _____ | Gender: _____ | Physician: _____
Client: _____ | Client Address: _____

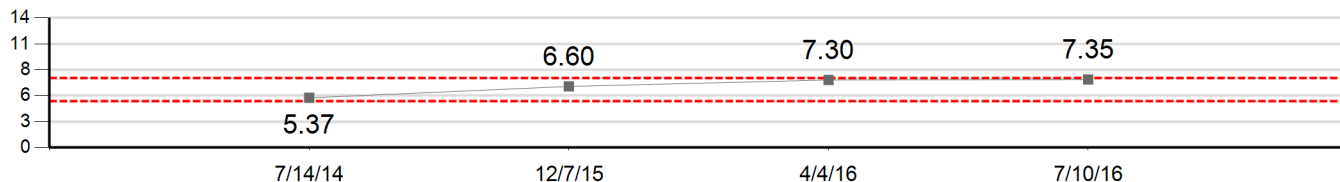
Patient Historical Result Summary

Total Volume (mL)



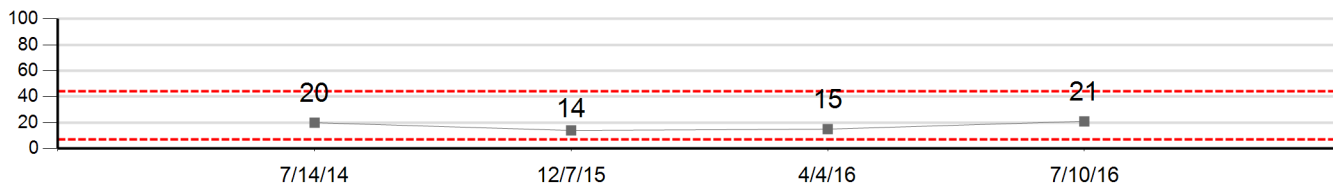
Dashed line (---) = values below this line are associated with increased risk of calculi formation.

pH



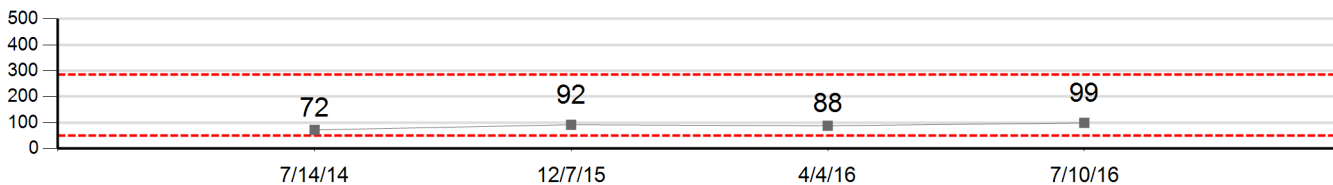
Dashed line (---) = indicates upper and lower limits of reference interval.

Oxalate (mg/d)



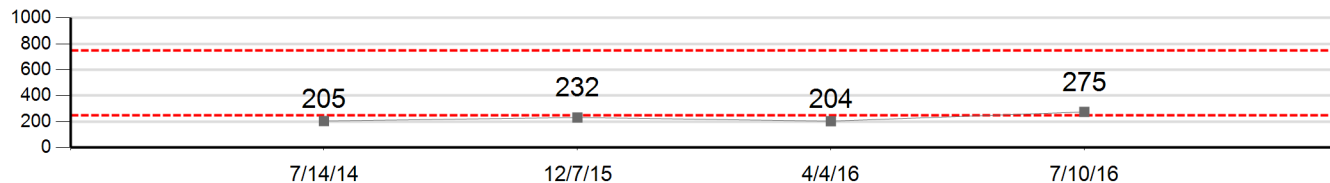
Dashed line (---) = indicates upper and lower limits of reference interval.

Sodium (mmol/d)



Dashed line (---) = indicates upper and lower limits of reference interval.

Uric Acid (mg/d)



Dashed line (---) = indicates upper and lower limits of reference interval.



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