

Report, Sample

Patient ID:
Specimen ID: 000-X00-0000-0

DOB: 01/01/1980

Age: 44
Sex: Male

Patient Report

Account Number: 00000000
Ordering Physician: D Feelgood



Date Collected: 10/14/2024

Date Received: 03/04/2025

Date Reported: 03/06/2025

Fasting: Not Given

Ordered Items: Litholink 24Hr Urine Panel

General Comments & Additional Information

Clinical Info: Collection 1
Total Volume: 2120 ml

Serum Chemistry

This table includes the results of the 8 most recent serum chemistries reported for this patient. Results outside the reference range are bold and appear in yellow; results within the reference range appear in green.

Date	Ca	P	Cr	eGFR	UA	Mg	Na	K	CO2	Cl
	Calcium	Phosphorus	Creatinine	eGFR	Uric Acid	Magnesium	Sodium	Potassium	Carbon Dioxide, Total	Chloride
10/03/2024	9.8	3.4	1.02	93	6.7	1.9	138	3.5	26	110
06/05/2024	9.4	3.1	0.95	101	5.9	2.0	140	4.3	24	108
Ref. Interval	8.7-10.2	2.8-4.1	0.76-1.27	>59	3.8-8.4	1.6-2.3	134-144	3.5-5.2	20-29	96-106
Units	mg/dL	mg/dL	mg/dL	mL/min/1.73	mg/dL	mg/dL	mmol/L	mmol/L	mmol/L	mmol/L

Stone Analysis

Method Of Analysis: Exact identification of components and estimates of percentages are performed by infrared spectroscopy.

Historical Stone Analysis

This table includes the results of the 8 most recent stone analysis reported for this patient and may include stones from different organ systems.

Date	Source	Crystallographic Composition
05/02/2024	Kidney	Calcium Oxalate Monohydrate 95%, Calcium Phosphate (Hydroxyl) 5%

Litholink 24Hr Urine Panel⁰¹

Values larger, bolder, and more towards the red indicate an increased risk of kidney stone formation.

Laboratory Director's Notes

The current laboratory tests have the following commentary. Notes associated with specific tests are flagged in the report (§).

10/14/2024

Citrate, Urine The urine Cit result was verified by repeat analysis.

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Summary of Stone Risk Factors

Increased Risk For Stone Formation

Analyte Unit	Low	High
Volume mL/24 hr	● 2120	
SS CaOx		● 5.16
Calcium mg/24 hr	● 185	
Oxalate mg/24 hr	● 36	
Citrate mg/24 hr		● 323
SS CaP	● 0.93	
Urine pH	● 6.121	
SS UA	● 0.63	
Uric Acid mg/24 hr		● 836

Interpretation of Laboratory Results

Calcium oxalate stone risk (SS CaOx) has fallen to borderline high (average of last two was 9.32 and now is 5.16). If stones are still active, further efforts at lowering supersaturation are warranted. In general, urine calcium, oxalate, citrate, and volume are the main factors responsible. The graphic display indicates which are most deviated from normal. Management suggestions are as noted above.

Urine citrate is low and has fallen (average of last two was 723 and now is 323 mg/d). Our records do not report that potassium citrate has been prescribed. Since urine citrate is low and SS CaP is not high consider adding potassium citrate. Recheck in 6 weeks to confirm citrate has risen and SS CaP is not high. Hypokalemia, urinary infection, bowel disease, and reduced kidney function are all possible causes of low urine citrate. High protein intake is not a likely cause of the low urine citrate (PCR = 1.1 g/kg/d, sulfate = 46 meq/d). The patient reports that thiazide has been prescribed. Thiazide can lower urine citrate via potassium depletion. Replete potassium as needed.

Cystine, Urine, Qualitative ● NEGATIVE (02/25/2025)

Stone Risk Factors

Date	Vol 24 Urine Volume (Preserved)	SS CaOx Calcium Oxalate Saturation	Ca 24 Calcium, Urine	Ox 24 Oxalate, Urine	Cit 24 Citrate, Urine	SS CaP Calcium Phosphate Saturation	pH pH, 24 hr, Urine	SS UA Uric Acid Saturation	UA 24 Uric Acid, Urine
10/14/2024	2120	5.16	185	36	323 [§]	0.93	6.121	0.63	836
06/16/2024	1830	8.78	336	35	695	1.77	6.012	0.98	916
06/15/2024	1570	9.86	321	33	750	1.53	5.875	1.36	856
Ref. Interval	500-4000	6.00-10.00	<250	20-40	>450	0.50-2.00	5.800-6.200	<1.00	<800
Units	mL/24 hr		mg/24 hr	mg/24 hr	mg/24 hr				mg/24 hr

✓ Verified by Repeat Analysis § See Corresponding Comment in Laboratory Director's Notes

Dietary Factors

Date	Na 24 Sodium, Urine	K 24 Potassium, Urine	Mg 24 Magnesium, Urine	P 24 Phosphorus, Urine	NH4 24 Ammonium, Urine	Cl 24 Chloride, Urine	Sul 24 Sulfate, Urine	UUN 24 Urea Nitrogen, Urine	PCR Protein Catabolic Rate
10/14/2024	187	44	79	1093	49	172	46	10.95	1.1
06/16/2024	185	62	82	1152	42	174	46	12.74	1.2



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**Dietary Factors (Cont.)**

Date	Na 24 Sodium, Urine	K 24 Potassium, Urine	Mg 24 Magnesium, Urine	P 24 Phosphorus, Urine	NH4 24 Ammonium, Urine	Cl 24 Chloride, Urine	Sul 24 Sulfate, Urine	UUN 24 Urea Nitrogen, Urine	PCR Protein Catabolic Rate
06/15/2024	207	44	69	1016	33	202	38	10.33	1.0
Ref. Interval	50-150	20-100	30-120	600-1200	15-60	70-250	20-80	6.00-14.00	0.8-1.4
Units	mmol/24 hr	mmol/24 hr	mg/24 hr	mg/24 hr	mmol/24 hr	mmol/24 hr	meq/24 hr	g/24 hr	g/kg/24 hr

Normalized Values

Date	Weight	Cr 24 Creatinine, Urine	Cr24/kg Creatinine/Kg Body Weight	Ca24/kg Calcium/Kg Body Weight	Ca24/Cr24 Calcium/Creatinine Ratio
10/14/2024	78.0	1857	23.8	2.4	100
06/16/2024	78.0	2024	26.0	4.3	166
06/15/2024	78.0	1916	24.6	4.1	168
Ref. Interval		Not Applic.	11.9-24.4	<4.0	34-196
Units	kg	mg/24 hr	mg/24 hr/kg	mg/24 hr/kg	mg/g creat

Medical History

Only clinical information pertinent to urinary stone disease is listed. Information shown here comes from the patient or the clinician's office.

Medications/Supplements

Medications/Supplements	Start Date	End Date
Hydrochlorothiazide/HCTZ/HCT	07/01/2024	

Content continues on next page

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Date Collected: 10/14/2024

Litholink 24Hr Urine Panel

Test	Current Result and Flag	Previous Result and Date	Units	Reference Interval
Cystine, Urine, Qualitative ⁰¹	Test not performed. Previous test results on file.			Negative
Urine Volume (Preserved) ⁰¹	2120		mL/24 hr	500-4000
▼ Calcium Oxalate Saturation ⁰¹	5.16 Low			6.00-10.00
Calcium, Urine ⁰¹	185		mg/24 hr	<250
Oxalate, Urine ⁰¹	36		mg/24 hr	20-40
▼ Citrate, Urine ⁰¹	323 Low	The urine Cit result was verified by repeat analysis.		>450
Calcium Phosphate Saturation ⁰¹	0.93			0.50-2.00
pH, 24 hr, Urine ⁰¹	6.121			5.800-6.200
Uric Acid Saturation ⁰¹	0.63			<1.00
▲ Uric Acid, Urine ⁰¹	836 High		mg/24 hr	<800
▲ Sodium, Urine ⁰¹	187 High		mmol/24 hr	50-150
Potassium, Urine ⁰¹	44		mmol/24 hr	20-100
Magnesium, Urine ⁰¹	79		mg/24 hr	30-120
Phosphorus, Urine ⁰¹	1093		mg/24 hr	600-1200
Ammonium, Urine ⁰¹	49		mmol/24 hr	15-60
Chloride, Urine ⁰¹	172		mmol/24 hr	70-250
Sulfate, Urine ⁰¹	46		meq/24 hr	20-80
Urea Nitrogen, Urine ⁰¹	10.95		g/24 hr	6.00-14.00
Protein Catabolic Rate ⁰¹	1.1		g/kg/24 hr	0.8-1.4
Creatinine, Urine ⁰¹	1857		mg/24 hr	Not Applic.
Creatinine/Kg Body Weight ⁰¹	23.8		mg/24 hr/kg	11.9-24.4
Calcium/Kg Body Weight ⁰¹	2.4		mg/24 hr/kg	<4.0
Calcium/Creatinine Ratio ⁰¹	100		mg/g creat	34-196
Comment ⁰¹	Note			
PDF ⁰¹	.			

Disclaimer

The Previous Result is listed for the most recent test performed by Labcorp in the past 5 years where there is sufficient patient demographic data to match the result to the patient. Results from certain tests are excluded from the Previous Result display.

Icon Legend

▲ Out of Reference Range ■ Critical or Alert

Performing Labs

01: LITPP - Labcorp Itasca, 150 Spring Lake Drive, Itasca, IL 60143-2091 Dir: V Gruzdys, PhD
For inquiries, the physician may contact Branch: 800-762-4344 Lab: 630-694-7400

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Ordering Physician: **D Feelgood**



Patient Details

Report, Sample

**0000 W CAMPBELL PARK DR, CHICAGO, IL,
606123502**

Phone: **XXX-XXX-XXXX**
Date of Birth: **01/01/1980**
Age: **44**
Sex: **Male**
Patient ID:
Alternate Patient ID:

Physician Details

D Feelgood

**Litholink Corporation
0000 West Campbell Park Drive, CHICAGO,
IL, 60612**

Phone: **XXX-XXX-XXXX**
Account Number: **00000000**
Physician ID:
NPI: **1234234**

Specimen Details

Specimen ID: **000-X00-0000-0**

Control ID: **00000000**

Alternate Control Number:

Date Collected: **10/14/2024 0700 Local**

Date Received: **03/04/2025 0000 ET**

Date Entered: **03/04/2025 1034 ET**

Date Reported: **03/06/2025 1204 ET**