

Client
Gurugram
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Processed By
Pathkind Diagnostics Pvt. Ltd.
Plot No. 55-56, Udhog Vihar Ph-IV, Gurugram - 122015

Name	: Mr. PL156	Billing Date	: 07/07/2023 12:29:20
Age	: 35 Yrs	Sample Collected on	: 10/07/2023 10:01:31
Sex	: Male	Sample Received on	: 10/07/2023 11:02:13
P. ID No.	: P1000100012874	Report Released on	: 20/07/2023 20:00:52
Accession No	: 10002304930	Barcode No.	: 10002304930-02
Referring Doctor	: Self	Ref no.	:
Referred By	:		

Report Status - Final

Test Name	Result	Biological Ref. Interval	Unit
BIOCHEMISTRY			
Kidney Profile (KFT)			
Blood Urea			
Blood Urea Nitrogen (BUN) Sample: Serum Method: Spectrophotometry-Urease / GLDH	25.00 H	8.87 - 20.50	mg/dL
Urea Sample: Serum Method: Calculated	53.50 H	19.00 - 44.00	mg/dL
Creatinine Sample: Serum Method: Spectrophotometry Alkaline Picrate	1.32 H	0.70 - 1.30	mg/dL
BUN Creatinine Ratio Sample: Serum Method: Calculated	19	10 - 20	
Calcium Sample: Serum Method: Spectrophotometry - OCC	9.6	8.6 - 10.0	mg/dL
Uric Acid Sample: Serum Method: Uricase-Peroxidase	6.2	3.6 - 8.2	mg/dL
Total Protein Sample: Serum Method: Spectrophotometry Biuret	8.3	6.4 - 8.3	g/dL
Albumin Sample: Serum Method: Spectrophotometry-Bromocresol Purple	4.8	3.5 - 4.8	g/dL
Globulin Sample: Serum Method: Calculated	3.5	1.9 - 3.7	g/dL
Albumin/Globulin (A/G) Ratio Sample: Serum Method: Calculated	1.4	1.0 - 2.1	g/dL

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CLINICAL PATHOLOGY

Urine Routine & Microscopic Examination

Method: Reflectance Photometry

Physical Examination

Colour

Sample: Urine

Method: Physical Examination

Pale Yellow

Pale Yellow

Appearance

Sample: Urine

Method: Physical Examination

Clear

Clear

Specific Gravity

Sample: Urine

Method: pKa change of pretreated polyelectrolytes

1.010

1.003 - 1.035

pH

Sample: Urine

Method: Double indicator principle

6.0

4.7 - 7.5

Chemical Examination

Glucose

Sample: Urine

Method: Glucose oxidase/peroxidase

Not Detected

Not Detected

Protein

Sample: Urine

Method: Protein-error-of-indicators principle

Not Detected

Not Detected

Ketones

Sample: Urine

Method: Sodium nitroprusside reaction

Not Detected

Not Detected

Blood

Sample: Urine

Method: Peroxidase

Not Detected

Not Detected

Bilirubin

Sample: Urine

Method: Diazo reaction

Not Detected

Not Detected



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Urobilinogen <i>Sample: Urine</i> <i>Method: Ehrlich's reaction</i>	Normal	Normal	
Nitrite <i>Sample: Urine</i> <i>Method: Nitrite Test</i>	Not Detected	Not Detected	
Microscopic Examination <i>Method: Microscopy</i>			
Pus Cells <i>Sample: Urine</i>	2 - 3	0 - 5	/hpf
RBC <i>Sample: Urine</i>	Not Detected	Not Detected	/hpf
Epithelial Cells <i>Sample: Urine</i>	2 - 3	0 - 5	/hpf
Casts <i>Sample: Urine</i>	Not Detected	Not Detected	/hpf
Crystals <i>Sample: Urine</i>	Not Detected	Not Detected	/hpf
Bacteria <i>Sample: Urine</i>	Not Detected	Not Detected	/hpf
Remarks <i>Sample: Urine</i>			

Remarks : Microscopic Examination is performed on urine sediment

BIOCHEMISTRY

Electrolytes (Na/K/Cl)

Sodium <i>Sample: Serum</i> <i>Method: ISE</i>	136	136 - 145	mmol/L
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Test Name	Result	Biological Ref. Interval	Unit
Potassium <i>Sample: Serum Method: ISE</i>	3.7	3.5 - 5.1	mmol/L
Chloride <i>Sample: Serum Method: ISE</i>	108 H	97 - 107	mmol/L

Uric Acid

Clinical Significance :

Uric acid is the final product of purine metabolism. Serum uric acid levels are raised in case of increased purine synthesis, inherited metabolic disorder, excess dietary purine intake, increased nucleic acid turnover, malignancy and cytotoxic drugs. Decreased levels are seen in chronic renal failure, severe hepatocellular disease with reduced purine synthesis, defective renal tubular reabsorption, overtreatment of hyperuricemia with allopurinol, as well as some cancer therapies.

Urine Routine & Microscopic Examination

Clinical Significance :

Urine routine examination and microscopy comprises of a set of screening tests that can detect some common diseases like urinary tract infections, kidney disorders, liver problems, diabetes or other metabolic conditions. Physical characteristics (colour and appearance), chemical composition (glucose, protein, ketone, blood, bilirubin and urobilinogen) and microscopic content (pus cells, epithelial cells, RBCs, casts and crystals) are analyzed and reported.

Electrolytes (Na/K/Cl)

COMMENTS / INTERPRETATION :

Sodium

- Useful in the diagnosis and treatment of dehydration, overhydration. Hyponatremia suggests dehydration and Hyponatremia (<130 mmol/L) suggests overhydration.
- Levels of sodium when evaluated with electrolytes aid in assessing acid base balance, water balance and water in toxication.

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Potassium			
● Useful in evaluation of electrolyte balance, cardiac arrhythmia, muscular weakness, hepatic encephalopathy, and renal failure.			
Chloride			
● Useful, when assayed along with Sodium, Potassium and bicarbonate in assesment of electrolyte, acid based and water balance.			

** End of Report**



Dr. Aarti Khanna Nagpal
DNB (Pathology)
Senior Consultant

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