Creatinine Clearance Uncorrected-calculation (CRCLUN-CALC)

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TEST OVERVIEW

Test Name Creatinine Clearance Uncorrected-calculation

Test Code CRCLUN-CALC

Short Description Creatinine Clearance Uncorrected-calculation

OVERVIEW

Test Name Creatinine Clearance Uncorrected-calculation

Test Code CRCLUN-CALC
Category Urine Biochemistry
TAT Main Lab: 1 Day(s)

Family Site: 1 Day(s)

Specimen(s) 1 x Urine - 20 mL Sterile Urine container - Red - Urine Random No Preservative

SPECIMEN(S)

Urine Random No Preservative

Specimen Type Urine Random No Preservative

Specimen Format Sterile Urine container

Specimen ColourRedSpecimen Volume20 mLSampling Order0OriginUrineCollection time after baseline-

Transport Temperature -

Accepted Other Specimens -

TAT Main Lab: 1 Day(s)

Family Site: 1 Day(s)

Test Stability Room Temp: -

2-8°C: -

CLINICAL INFORMATION

Creatinine Clearance Uncorrected (24-Hrs urine)

Methodology Calculation

Specimen Type Urine Random No Preservative

Delay before pre-treatment 2

Transport Temperature -

Transport Stability at room temp --

Transport Stability at 2–8°C --

Haemolysis interference No

Urine volume (24 hours)

Methodology -

Specimen Type Urine Random No Preservative

Delay before pre-treatment 2

Transport Temperature -

Transport Stability at room temp --Transport Stability at 2–8°C ---

Haemolysis interference No

Clinical Interest

Creatinine clearance measures the rate at which the kidneys filter creatinine, a waste product of muscle metabolism, from the blood. It is an important indicator of **kidney function** and helps in the diagnosis and management of kidney disease. Creatinine clearance is used to estimate the Glomerular Filtration Rate (GFR), which is a key measure of how well the kidneys are filtering blood.

Decreased creatinine clearance is a hallmark of Chronic Kidney Disease (CKD) and helps in staging the disease. In cases of acute kidney injury, creatinine clearance can help assess the extent of renal impairment. Many medications, such as antibiotics and chemotherapeutic agents, are cleared through the kidneys. Adjusting drug dosages based on creatinine clearance is critical in preventing toxicity in patients with impaired renal function.

PATIENT INFORMATION

Clinical Information Required 24-hour urine volume (mL)

Collection start date Collection start time Collection End date Collection end time

Patient Collection Notes

24-hour urine collection:

- On the first day, on waking, eliminate the first urine in the toilet (note the date and time).
- For the next 24 hours, collect all the urine from the day and night, including that from the next morning when you get up at the same time.

 Recap and store the container between 2 and 8 degrees C. between each
- micturition.
- Note the date and time of the end of micturition on the bottle.
- Be sure to close the container securely for transport.
- Bring all the urine to the laboratory as soon as possible after collection.

COMMENTS & NOTES

LOINC Code 195-4, 12195-4

Outwork

No