## Lab Dept: Urine/Stool

## Test Name: CHLORIDE, 24 HOUR URINE

## **General Information**

Lab Order Codes:	UCLQU		
Synonyms:	Quantitative Urine Chloride; Chloride, 24 Hour Urine, Chloried, Time Urine		
CPT Codes:	82436 – Chloride, urine 81050 – Volume measurement for timed colleciont, each		
Test Includes:	Chloride concentration measured in mmol/L and mmol/24 hours		
Logistics			
Test Indications:	<ul> <li>Chloride is the major extracellular anion which is filtered from the plasma by the kidney glomeruli and is passively reabsorbed in the proximal tubules.</li> <li>Useful in the evaluation of kidney function.</li> <li>An indicator of fluid balance and acid-base homeostasis.</li> </ul>		
Lab Testing Sections:	Chemistry - Sendouts		
Referred to:	Mayo Clinic Laboratories (Mayo test: CLU)		
Phone Numbers:	MIN Lab: 612-813-6280		
	STP Lab: 651-220-6550		
Test Availability:	Daily, 24 hours		
Turnaround Time:	1-2 days		
Special Instructions:	Submit an entire 24-hour collection. No preservative. Refrigerate specimen during and after collection.		
	Note: Starting and ending times of collection are required for a timed urine collection and must be documented electronically or on the proper request form.		
Specimen			
Specimen Type:	Urine, 24 hour collection Note: A 24 hour specimen is required.		

Container:	Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.			
Draw Volume:	Submit an entire 24-hour urine collection			
Processed Volume:	4 mL (Minimum: 0.5 mL) from a well-mixed 24 hr urine			
Collection:	For timed urine collections, empty the bladder, discard the voided sample, and note the start time. Collect all urine voided for the specified time period. At the end of the period, note the finishing time, add the last voided sample to the container by emptying the bladder. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.			
Special Processing:	Lab Staff: Measure total volume of specimen submitted and record the volume when decanting the specimen and creating an aliquot. Store and ship refrigerated.			
Patient Preparation:	None	None		
Sample Rejection:	Unlabeled or mi	Unlabeled or mislabeled specimen; collection <24 hours		
Interpretive				
Interpretive Reference Range:	All ages:	40 – 224 mmol/24 hours		
-	Interpretation: steady-state cor the intake of soo depletion, low va whereas elevate Urinary sodium alkalosis with vo	Urine sodium and chloride excretion are similar and, under nditions, both urinary sodium and chloride excretion reflect dium chloride (NaCl). During states of extracellular volume alues indicate appropriate renal reabsorption of these ions, ed values indicate inappropriate excretion (renal washing). and chloride excretion may be dissociated during metabolic olume depletion where urine sodium excretion may be high cretion of NaHCO3), while urine chloride excretion remains		
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Reference Range: Limitations:	Interpretation: steady-state con the intake of soo depletion, low va whereas elevate Urinary sodium alkalosis with vo (due to renal ex appropriately low High urine value lead to falsely h	Urine sodium and chloride excretion are similar and, under nditions, both urinary sodium and chloride excretion reflect dium chloride (NaCl). During states of extracellular volume alues indicate appropriate renal reabsorption of these ions, ed values indicate inappropriate excretion (renal washing). and chloride excretion may be dissociated during metabolic olume depletion where urine sodium excretion may be high cretion of NaHCO3), while urine chloride excretion remains w.		