

Acceptable Collection Containers



Urea Nitrogen, Urine

Alternate Name:		None
Performing Lab:		New Hanover and Cape Fear
Specimen Container:		Random: Urine Specimen Cup 24 Hour: 24 Hour Urine Collection Container
Minimum Volume Required:		Random: 1 mL 24 Hour: Not Applicable
Testing Availability	Routine:	24 hours/day
	Stat:	N/A
Turnaround Time:		4 hours
Special Handling:		24 Hour Collection: Requisition must state date and time collection started and date and time collection finished. Urine should be refrigerated during collection. Do not use preservatives.
Patient Preparation:		None
Specimen Stability:		
Reference Range:		Random: None 24 Hour: 7 – 20 g/24 Hour
Critical Value:		None
CPT Code:		
Testing Methodology:		Rate
Causes for Specimen Rejection:		Improper labeling Use of preservatives
Other Comments:		
Clinical Significance:		Urea is the principle waste product of protein catabolism. BUN is most commonly measured in the diagnosis and treatment of certain renal and metabolic diseases. Increased BUN

concentration may result from increased production of urea due to (1) diet or excessive destruction of cellular proteins as occurs in massive infection and fevers, (2) reduced renal perfusion resulting from dehydration or heart failure, (3) nearly all types of kidney disease, and (4) mechanical obstruction to urine excretion such as is caused by stones, tumors, infection, or stricture. Decreased urea levels are less frequent and occur primarily in advanced liver disease and in overhydration.