

OSMOLALITY,  
24-HOUR  
URINE

## Orderable - OSMU24

Turn Around Time: 2 hours

STAT: 1 hour

### Specimen:

24-hour urine

### Collection Information:

#### Collection of 24-Hour Urine Sample

Collect urine over a 24-hour period as per container label instructions.

Keep refrigerated during collection period.

Please complete the laboratory label attached to the collection bottle to include patient's name, collection start time and date and collection end time and date.

### Reference Ranges:

300-900 mosm/kg

### Interpretive Comments:

Useful to assess the concentrating and diluting ability of the kidney.

Comparing serum and urine osmolalities may help to determine the cause of polyuria, to diagnose SIADH and to distinguish 'pre-renal' from 'renal' causes of impaired renal function.



**Laboratory:**  
Core Lab



**Requisition:**  
GENERAL LABORATORY  
REQUISITION



**Method of Analysis:**  
Freezing point  
depression. Advanced  
Instrument Micro  
Osmometer.



**Test Schedule:**  
As required