

# MANGANESE URINE

## Orderable – MNU / MNU24

Turn Around Time: 10 days

### Specimen:

24-hour urine collected in new 24-hour urine container or random urine

### Collection Information:

#### [Trace Elements Collection Requirements](#)

### Reference Ranges:

#### SI Units:

Random Urine:  
0.05-1.42  $\mu\text{mol/mol}$  creatinine

24 Hour Urine:  
1.8-14.6  $\text{nmol}/24$  hours

#### Conventional Units:

Random Urine:  
0.02-0.69  $\mu\text{g/g}$  creatinine

24 Hour Urine:  
0.099-0.802  $\mu\text{g}/24$  hours

Reference Ranges are based on Non-Occupationally exposed population.

### Interpretive Comments:

Find Interpretive Comment and Clinical Information [here](#):

### Specimen Stability:

Ambient: 14 days  
Refrigerated: 11 months  
Frozen: 11 months



**Laboratory:**  
Trace Elements Lab



**Requisition:**  
TRACE ELEMENTS  
REQUISITION



**Method of Analysis:**  
High Resolution Sector  
Field Inductively Coupled  
Mass Spectrometry  
[HR-SF-ICP-MS](#)



**Test Schedule:**  
Batched analysis