

## Arsenic 24 Hour Urine or Random Urine

Order Name: **ARSENIC U**  
Test Number: 3809050  
Revision Date: 03/27/2025

| TEST NAME                             | METHODOLOGY  |                       |                                | LOINC CODE              |
|---------------------------------------|--|-----------------------|--------------------------------|-------------------------|
| Arsenic 24 Hour Urine or Random Urine | Inductively Coupled Plasma/Mass Spectrometry (ICP/MS) or Atomic Spectroscopy (AS)  |                       |                                |                         |
| <b>SPECIMEN REQUIREMENTS</b>          |  |                       |                                |                         |
| Specimen                              | Specimen Volume (min)  | Specimen Type         | Specimen Container             | Transport Environment   |
| Preferred                             | <b>5 mL (2.5 mL)</b>   | <b>Urine, 24-hour</b> | <b>24 hour Urine Container</b> | <b>Room Temperature</b> |
| Alternate 1                           | <b>5 mL (2.5 mL)</b>   | <b>Urine, Random</b>  | <b>Sterile Urine container</b> | <b>Room Temperature</b> |
| Instructions                          | <p><b>Specimen:</b> Urine (random or 24-hour)</p> <p><b>Notes:</b> 2.5 mL (Note: This volume Does NOT allow for repeat testing.)</p> <p><b>Specimen Type:</b> Plastic urine container, no preservative</p> <p><b>Specimen Storage:</b> Maintain specimen at room temperature.</p> <p><b>Specimen Collection:</b> Sampling time is the end of the work week for industrial exposure monitoring. Metals with timing "end of work week" (meaning four or five consecutive working days with exposure) are eliminated with half-lives longer than five hours. Such metals accumulate in the body during the work week; therefore, their timing is critical in relation to previous exposures. OPTIONAL PROTOCOL: Instruct the patient to void at 8 AM and discard the specimen. Then collect all urine including the final specimen voided at the end of the 24-hour collection period (ie, 8 AM the next morning). Avoid contact with metal during collection. Screw the lid on securely.</p> <p><b>Special Instructions:</b> Request form MUST state volume collected as 24-hour, if applicable. Do not use preservatives. Preservatives used for routine analysis may contain mercuric oxide (ie, Stabilur), which interferes with all metal testing. If both urinalysis and metal testing</p> <p><b>Specimen Stability:</b> Ambient: 14 days, Refrigerated : 14 days, Frozen: 14 days (Freeze/thaw cycles Stable x3)</p> |                       |                                |                         |

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GENERAL INFORMATION

| Expected TAT                                       | 3 - 6 days   |         |
|--|--|---------|
| Performing Labcorp Test Code                       | 007045   |         |
| Notes  | If total arsenic concentration is between 35-2000 ug/L, then Arsenic, Fractionated shown below, will be added to determine the proportion of organic, inorganic, and methylated forms. Additional charges apply. |         |
| <b>Arsenic, Fractionated [Order Code: 3709000]</b> |  |         |
| RESULT CODE  | RESULT NAME  | LOINC   |
| 3800475  | Arsenic Inorganic  | 12481-8 |
| 3800276  | Arsenic, MMA   | 94458-7 |
| 3800476  | Arsenic, DMA   | 94457-9 |
| 3800676  | Arsenic, Total Toxic   | n/a     |
| 3800876  | Ars(Toxic)/Crt Note:   | n/a     |
| 3800875  | Arsenic Organic  | n/a     |
| 3800675  | Arsenic Methylated   | n/a     |
| CPT Code(s)  | 82570, 82175   |         |
| Lab Section  | Reference Lab  |         |