

2007465

Iodine, Urine

IODINE U

**Specimen Required:** Patient Prep: Diet, medication, and nutritional supplements may introduce interfering substances. Patients should be encouraged to discontinue nutritional supplements, vitamins, minerals, nonessential over-the-counter medications for 48 hours (upon the advice of their physician). In addition, the administration of iodine-based contrast media and drugs containing Iodine may yield elevated results. Specimen must be collected in a plastic container and should be refrigerated after collection.

Collect: 24-hour or random urine collection.

Specimen Preparation: Transfer an 8 mL aliquot from a well-mixed collection to ARUP Trace Element-Free Tubes (ARUP supply #43116) available online through eSupply using ARUP Connect™ or contact ARUP Client Services at (800) 522-2787. (Min: 1 mL)  
Storage/Transport Temperature: Refrigerated.

Remarks: Record the total volume and collection time interval on transport tube and on test request form.

Unacceptable Conditions: Acid preserved urine. Specimens collected within 72 hours after administration of iodinated or gadolinium-based contrast media. Specimens contaminated with blood or fecal material. Specimens transported in non-trace element-free transport tube (with the exception of the original device).

Stability (collection to initiation of testing): Ambient: 2 months; Refrigerated: 2 months; Frozen: 2 months

**Reference Interval:**

| Test Number | Components                    | Reference Interval                                 |                    |               |
|-------------|-------------------------------|--|--------------------|---------------|
|             |                               | Age  | Male               | Female        |
|             | Iodine, Urine - per volume    | Reference Interval                                 |                    |               |
|             |                               | 16 years and older                                 | 26.0-705.0 ug/L    |               |
|             | Iodine, Urine - per 24h       | Reference Interval                                 |                    |               |
|             |                               | 16 years and older                                 | 93.0 - 1125.0 ug/d |               |
|             | Iodine per gram of Creatinine | Effective February 18, 2020<br>35.0-540.0 µg/g crt |                    |               |
| 0020473     | Creatinine, Urine - per 24h   | Reference Interval                                 |                    |               |
|             |                               | 3-8 years  | 140-700 mg/d       | 140-700 mg/d  |
|             |                               | 9-12 years   | 300-1300 mg/d      | 300-1300 mg/d |
|             |                               | 13-17 years  | 500-2300 mg/d      | 400-1600 mg/d |
|             |                               | 18-50 years  | 1000-2500 mg/d     | 700-1600 mg/d |
|             |                               | 51-80 years  | 800-2100 mg/d      | 500-1400 mg/d |
|             |                               | 81 years and older                                 | 600-2000 mg/d      | 400-1300 mg/d |