**Lab Dept:** Urine/Stool  
**Test Name:** KETONES, URINE  

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**General Information**

<table>
<thead>
<tr>
<th>Lab Order Codes:</th>
<th>UKE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms:</td>
<td>Urine Ketones; Nitroprusside Reaction for Ketones</td>
</tr>
<tr>
<td>CPT Codes:</td>
<td>81003 – Urinalysis, by dipstick; automated, without microscopy</td>
</tr>
</tbody>
</table>

**Test Includes:** Screen for urine ketones.

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**Logistics**

**Test Indications:** Useful for evaluation of ketonuria, detection of acidosis, ketoacidosis, fasting, starvation, high protein diets, diabetes mellitus, and stress-hormone excess.

<table>
<thead>
<tr>
<th>Lab Testing Sections:</th>
<th>Urinalysis</th>
</tr>
</thead>
</table>
| Phone Numbers:        | MIN Lab: 612-813-6280  
                        | STP Lab: 651-220-6550 |
| Test Availability:    | Daily, 24 hours |
| Turnaround Time:      | 1 hour |

**Special Instructions:** Submit only one (1) of the following: Catheterized specimen or clean-catch specimen.

**Note:** Indicate type of specimen (catheterized) on request form. Date and time of collection are required on request form for processing. Transport specimen to laboratory immediately following collection.

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**Specimen**

<table>
<thead>
<tr>
<th>Specimen Type:</th>
<th>Urine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Container:</td>
<td>Urine cup</td>
</tr>
<tr>
<td>Draw Volume:</td>
<td>Entire specimen collection (catheter or clean catch)</td>
</tr>
<tr>
<td>Processed Volume:</td>
<td>Minimum: 0.5 mL urine</td>
</tr>
</tbody>
</table>
**Collection:**
A specimen collected by catheterization is optimal; however, a clean-catch or mid-stream specimen is also acceptable. Random, voided specimens will be accepted, but are the least desirable and are not recommended if a urine culture is also being requested.

**Special Processing:**
N/A

**Patient Preparation:**
None

**Sample Rejection:**
Less than 0.5 mL urine submitted; mislabeled or unlabeled specimen

**Interpretive**

**Reference Range:**
Negative

**Critical Values:**
N/A

**Limitations:**
Specimens containing large amounts of ascorbic acid or levodopa metabolites, valproic acid, phenozopyridine (Pyridium®), PSP dye, phenylketones or phthalein compounds may cause false-positives.

**Methodology:**
Multistix®, Nitroprusside reaction

**References:**
Strasinger SK (1989) Urinalysis and Body Fluids, FA Davis Company


**Updates:**
2/23/2012: Acetest is no longer performed as a confirmation of urine ketones.