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**Lab Dept:** Urine/Stool

**Test Name:** KETONES, URINE

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***General Information***

**Lab Order Codes:** UKE

**Synonyms:** Urine Ketones; Nitroprusside Reaction for Ketones

**CPT Codes:** 81003 – Urinalysis, by dipstick; automated, without microscopy

**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.

**Lab Testing Sections:** Urinalysis

**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***

**Specimen Type:** Urine

**Container:** Urine cup

**Draw Volume:** Entire specimen collection (catheter or clean catch)

**Processed Volume:** Minimum: 0.5 mL urine

**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

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### ***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  
Ringsrud KM, et al (1995) Urinalysis and Body Fluids: A Color Text and Atlas, Mosby  
Brunzel N (1994) Fundamentals of Urine and Body Fluid Analysis, WB Saunders

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