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**Lab Dept:** Urine/Stool

**Test Name:** **GLUCOSE, URINE**

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***General Information***

**Lab Order Codes:** UGLR

**Synonyms:** Glucose, Random Urine

**CPT Codes:** 82945 – Glucose, body fluid, other than blood

**Test Includes:** Urine glucose concentration in mg/dL

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***Logistics***

**Test Indications:** Glucose is a simple sugar that serves as the main source of energy for the body. Urine testing is useful in the evaluation of glycosuria. Glucose is present in the urine if the blood level is high or if the kidneys are damaged allowing glucose to leak out into the urine.

**Lab Testing Sections:** Chemistry

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 1 day

**Special Instructions:** Refrigerate specimen during and after collection. Urine samples may lose as much as 40% of their glucose after 24 hours at room temperature.

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***Specimen***

**Specimen Type:** Urine, random collection

**Container:** Plastic leakproof container (No preservatives)

**Draw Volume:** 1 - 3 mL from a random urine collection

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

**Collection:** A random urine sample may be obtained by voiding into a urine cup and is often performed at the laboratory. Bring the refrigerated container to the lab. Make sure all specimens submitted to the laboratory are properly labeled with the patient's name, medical record number and date of birth.

**Special Processing:** N/A

**Patient Preparation:** None

**Sample Rejection:** Mislabeled or unlabeled specimens

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### ***Interpretive***

**Reference Range:** <15 mg/dL

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Hexokinase Ultraviolet (UV)

**References:** GLUC Flex® reagent cartridge insert sheet PN 717040.001 (Issue Date 2008-02-29) Rev C

Clinical Significance, Dade Behring Inc., Glasgow Business Community, Mailbox 531, P.O. Box 6101, Newark, Delaware 19714

Jacobs & DeMott Laboratory Test Handbook (2001) Lexi-Comp, Inc, Hudson, OH, 5th Edition

Biorad Liquichek Control Product inserts, Bio-Rad Laboratories, Irvine, CA 92618