
Lab Dept: Urine/Stool

Test Name: **GLUCOSE, URINE**

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

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.

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: Lab Staff: Centrifuge specimen prior to analysis.

Patient Preparation: None

Sample Rejection: Mislabeled or unlabeled specimens

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

Updates: 9/28/2017: Updated lab processing.