
Lab Dept: Urine/Stool

Test Name: **GLUCOSE, TIMED URINE**

General Information

Lab Order Codes: UGLQ

Synonyms: Glucose, Quantitative Urine

CPT Codes: 82945 – Glucose, body fluid, other than blood
81050 – Volume measurement for timed collection, each

Test Includes: Urine glucose in mg/dL and mg/collection

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: 612-813-6280

Test Availability: Daily, 24 hours

Turnaround Time: 1 day

Special Instructions: Submit an entire 24-hour urine collection. No preservative. Refrigerate specimen during and after collection. Urine samples may lose as much as 40% of their glucose after 24 hours at room temperature.

Note: Starting and ending times of collection are required for a timed urine collection and must be documented electronically or on the proper request form.

Specimen

Specimen Type: Urine, timed collection

Container: Plastic leakproof container (No preservative). Urine GUARD® collection container is preferred for a timed urine sample.

Draw Volume: Submit an entire 24-hour urine collection

Processed Volume:	Minimum: 1 mL urine
Collection:	For timed urine collections, empty the bladder, discard the voided sample, and note the start time. Collect all urine voided for the specified time period. At the end of the period, note the finishing time; add the last voided sample to the container by emptying the bladder. 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: Measure total volume of specimen submitted and record by ordering PV (Period and Volume) in the LIS. Pour off an aliquot and centrifuge specimen before analysis.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	<500 mg/collection Note: The reference value is for a 24 hour collection. Specimens collected for other than 24 hours have no reference ranges established.
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: Lab processing update.