
Lab Dept: Urine/Stool

Test Name: CARBOHYDRATE, RANDOM URINE

General Information

Lab Order Codes: CARBO

Synonyms: Disaccharide Screening; Fructose; Lactose; Maltose; Monosaccharide Screening; Reducing Substances Qualitative Urine; Saccharides Urine; Succinyl nucleotidase Screening; Sucrose

CPT Codes: 84377 – Sugars, single qualitative, each specimen

Test Includes: Screen for fructose, glucose, galactose, disaccharides, oligosaccharides and succinylpurines in random urine. The saccharide present is named, identification of the probably source, and an interpretive comment is provided.

Logistics

Test Indications: Screening for disorders with increased excretion of carbohydrates.

Lab Testing Sections: Chemistry - Sendouts

Referred to: Mayo Medical Laboratories (MML Test#: 9255/CHOU)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2 – 4 days, test performed Monday, Wednesday and Friday

Special Instructions: See [Patient Preparation](#)

Specimen

Specimen Type: Urine, random

Container: Screw-capped urine container

Draw Volume: Entire random urine collection

Processed Volume: 5 mL (Minimum: 1 mL) random urine

Collection:	Voided or catheterized urine specimen
Special Processing:	Lab Staff: Mix specimen well. Aliquot/transfer 5 mL urine into a plastic, 10 mL urine tube. Store and ship at frozen temperatures. Forward promptly.
Patient Preparation:	Early morning specimens are preferred
Sample Rejection:	Specimens other than urine; warm specimens; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Negative If positive, carbohydrate is identified.
Critical Values:	N/A
Limitations:	A number of compounds (identifiable by the technique used) interfere with the assay; microbial contamination can lead to uninterpretable patterns of urinary saccharides. Retesting will be recommended in these cases.
Methodology:	Thin-Layer Chromatography (TLC), Qualitative
References:	Mayo Medical Laboratories August 2015