



# Laboratory Service Manual

**Lab Dept:** Urine/Stool

**Test Name:** CARBOHYDRATE, RANDOM URINE

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## ***General Information***

**Lab Order Codes:** CARB0

**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.

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## ***Logistics***

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

**Lab Testing Sections:** Chemistry - Sendouts

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

### **Phone Numbers:**

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

**Test Availability:** Daily, 24 hours

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

**Special Instructions:** Early morning specimens are preferred.

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## ***Specimen***

**Specimen Type:** Urine, random

**Container:** Screw-capped urine container

**Draw Volume:** Entire random urine collection



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<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Voided or catheterized urine specimen
<b>Special Processing:</b>	Lab Staff: Mix specimen well. Aliquot 5 mL of urine into a plastic, 13 mL urine tube. Store and ship at frozen temperatures. Forward promptly.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Specimens other than urine, warm specimens, mislabeled or unlabeled specimens

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## ***Interpretive***

<b>Reference Range:</b>	Negative  If positive, carbohydrate is identified.
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	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.
<b>Methodology:</b>	Thin-Layer Chromatography (TLC), Qualitative
<b>References:</b>	<a href="#">Mayo Medical Laboratories</a> April 2009