
Reporting Title: Xylose Absorption Test, Adult
Performing Location: ARUP Laboratories, Interface

Specimen Requirements:

SUBMIT ALL OF THE FOLLOWING (Read ALL collection information prior to start of test and collection of specimens.)

Serum-Required: Fasting serum and Two-hour specimen
Collect blood in plain, red-top tube(s), allow to clot completely at room temperature. Separate from cells ASAP and label tube with "Fasting serum" or "Two-hour serum" as appropriate. Ship specimens refrigerate.

Urine

Collect all urine for five hours. Measure and record the volume, mix well and remove a 5 mL aliquot, label sample "Five-hour urine". Ship specimen refrigerate.

REQUIRED COLLECTION INSTRUCTIONS - Read ALL collection information prior to start of test.

- * 25 g Xylose dose must be obtained from a pharmacy.
- * Patient should fast for eight hours prior to start of test.
- * Patient should empty bladder prior to start of test. (do not collect)
- * Prior to xylose administration, collect fasting serum sample, label tube Clearly "Fasting Serum"
- * Give adults 25 g D-xylose in 250 mL water. Encourage patient to drink an additional 250 mL water following xylose dose. The patient may have water as desired, but no other food or fluids. Smoking should be prohibited. The patient should rest in a chair or bed until completion of test. Mild diarrhea is common following xylose ingestion.
- * Collect the second serum sample two hours after giving the xylose dose. Label tube clearly "Two-hour Serum".
- * Immediately following xylose dose, COLLECT ALL URINE FOR THE NEXT FIVE HOURS. Measure and record the volume, mix well and remove a 5 mL aliquot. Label sample "Five-hour Urine", record total volume and the xylose dose given.

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Ambient	4 hours
	Frozen	30 days
Timed Serum	Refrigerated (preferred)	7 days
	Ambient	4 hours
	Frozen	30 days
Urine	Refrigerated (preferred)	7 days
	Ambient	4 hours
	Frozen	30 days

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
FXAB1	Z2659	Total Volume	Plain Text	Yes
FXAB2	Z2660	Dosage	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z2659	Total Volume	Alphanumeric		
Z2660	Dosage	Alphanumeric		
Z2661	Serum Xylose at 2 hours	Alphanumeric		
Z2662	Xylose Excretion, g/5 hr	Alphanumeric		
Z2663	Xylose Excretion, % Dose 5 hr	Alphanumeric		

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
FXAB1	Total Volume			Yes	No
FXAB2	Dosage			Yes	No

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
FXAB3	Serum Xylose at 2 hours			Yes	No

CPT Code Information:

84620

Reference Values:

Serum fasting specimen: No reference intervals for the fasting serum: it is used as a blank when testing the two-hour specimen.

Serum xylose at 2 hours:
17 years and older: 32-58 mg/dL

Xylose excretion, % dose 5 hr:
17-64 years: 16-40 %
65 years and older: 14-40 %

Xylose excretion, g/5 hr:
17-64 years: 4.0-10.0 g/5hrs
65 years and older: 3.5-10.0 g/5hrs

Test Performed By: ARUP Laboratories
500 Chipeta Way
Salt Lake City, UT 84108