Lab Dept: Urine/Stool

Test Name: GALACTOSE QUANTITATIVE URINE

General Information

Lab Order Codes:	UGAL
Synonyms:	Galactosemia, urine
CPT Codes:	82760 – Galactose
Test Includes:	Urine galactose levels measured in mg/dL.

Logistics

Test Indications:	This assay is a quantitative measurement of Galactose. Galactosemia is an inborn error of galactose metabolism and results in elevated plasma galactose concentrations when affected infants consume milk products. The most common cause of galactosemia is deficiency of Galactose-1-Phosphate Uridyltransferase (GALT). Note: This test is not recommended as a follow-up of positive newborn screening results.
Lab Testing Sections:	Urine/Stool – Sendouts
Referred to:	Mayo Medical Laboratories (MML Test# 8765/GALU)
Phone Numbers:	MIN Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	2 – 4 days; test set up Monday through Friday.
Special Instructions:	N/A

Specimen

Specimen Type:	Urine, random collection
Container:	Plastic urine container
Draw Volume:	5 mL from a random urine collection
Processed Volume:	5 mL (Minimum: 0.5 mL) urine

Collection:	A random urine sample may be obtained by voiding into a urine cup. 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: **Do Not** centrifuge. Mix specimen well before taking an aliquot. Aliquots should be placed into a plastic 13 mL urine tube. Store and ship at frozen temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Unlabeled specimens; mislabeled or unlabeled specimens

Interpretive

Reference Range:	<30 mg/dL
Critical Values:	N/A
Limitations:	When urine galactose is elevated, the specific enzymatic defect should be determined. Galactose in the urine may also be found in severe hepatitis, biliary atresia of the newborn, and in rare cases of galactose intolerance.
Methodology:	Spectrophotometric, Kinetic
References:	Mayo Medical Laboratories Web Page January 2013