

## Sialic Acid, Free and Total, Random, Urine

**Test ID:** SAU

**Useful for:**

Screening for sialic acid disorders.

**Genetic Information:**

This is a screening test to detect patients with sialic acid disorders such as free sialic acid storage disorder, sialidosis and galactosialidosis.

Quantitation of free and total sialic acid and the ratio of these are provided.

**Methods:**

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

**Reference Values:**

**FREE SIALIC ACID:**

< or =4 weeks: < or =208 mmol/mol creatinine

5 weeks – 12 months: < or =104 mmol/mol creatinine

13 months – 18 years: < or =100 mmol/mol creatinine

> or =19 years: < or =38 mmol/mol creatinine

**TOTAL SIALIC ACID:**

< or =4 weeks: < or =852 mmol/mol creatinine

5 weeks – 12 months: < or =656 mmol/mol creatinine

13 months – 18 years: < or =335 mmol/mol creatinine

> or =19 years: < or =262 mmol/mol creatinine

**TOTAL/FREE RATIO:**

< or =4 weeks: 1.94-18.68

5 weeks – 12 months: 2.34-13.85

13 months – 18 years: 2.63-9.18

> or =19 years: 3.35-15.81

An interpretive report will be provided

## Specimen Requirements:

<b>Supplies:</b>	Sarstedt 5 mL Aliquot Tube (T914)
<b>Container/Tube:</b>	Plastic, 5-mL urine tube
<b>Specimen Volume:</b>	1 mL
<b>Pediatric Volume</b>	0.5 mL
<b>Collection Instructions:</b>	Collect a random urine specimen ( <b>early morning preferred</b> )
<b>Minimum Volume:</b>	0.5 mL

## Specimen Stability Information:

Specimen Type	Temperature	Time
Urine	Refrigerated (preferred)	90 days
	Frozen	90 days

## Cautions:

Mild elevations of urinary free sialic acid may occur due to other causes, including sepsis, renal disease, hemolytic uremic syndrome and type 2 diabetes mellitus

## CPT Code:

84275

**Day(s) Performed:** Friday

**Report Available:** 5 to 11 days

## Questions

Contact Melissa Tricker-Klar, Laboratory Resource Coordinator at 800-533-1710.