

## Lysosomal Storage Disorders Screen, Random, Urine

**Test ID:** LSDS

**Explanation:** On the effective date a new component, SAU02 (Sialic Acid, Free and Total, U) will be added to the test. In addition, the test reporting name, reference values, specimen stability and collection requirements will be updated.

Current Reporting Name
Lysosomal Storage Disorders, Scrn, U

New Reporting Name
Lysosomal Disorders Scrn, U

Current Published Name
Lysosomal Storage Disorders Screen, Random, Urine

New Published Name
Lysosomal Disorders Screen, Random, Urine

Current Profile Information			
Test ID	Reporting Name	Available Separately	Always Performed
CTS02	Ceramide Trihex and Sulfatide, U	Yes (Order CTSU)	Yes
MPS02	Mucopolysaccharides Quant, U	Yes (Order MPSQU)	Yes
OLI02	Oligosaccharide Screen, U	Yes (Order OLIGU)	Yes
BG721	Lysosomal Storage Disorders Interp	No	Yes

New Profile Information			
Test ID	Reporting Name	Available Separately	Always Performed
CTS02	Ceramide Trihex and Sulfatide, U	Yes (Order CTSU)	Yes
MPS02	Mucopolysaccharides Quant, U	Yes (Order MPSQU)	Yes
OLI02	Oligosaccharide Screen, U	Yes (Order OLIGU)	Yes
SAU02	Sialic Acid, Free and Total, U	Yes (Order SAU)	Yes
BG721	Lysosomal Disorders Interpretation	No	Yes

Current Specimen Stability		
Specimen	Temperature	Time
Urine	Refrigerated (preferred)	15 days
	Ambient	7 days
	Frozen	365 days

New Specimen Stability		
Specimen	Temperature	Time
Urine	Refrigerated (preferred)	15 days
	Frozen	90 days

**Current Specimen Required****Patient Preparation:**

1. Do not administer low-molecular weight heparin before specimen collection.
2. Baby wipes or wipes containing soaps or lotions should not be used before specimen collection because these may interfere with results.

**Supplies:** Urine Tubes, 10 mL (T068)**Container/Tube:** Plastic, 10-mL urine tube**Specimen Volume:** 10 mL**Pediatric Volume:** 3 mL**Collection Instructions:** Collect a **first-morning**, random urine specimen.**New Specimen Required****Patient Preparation:**

1. Do not administer low-molecular weight heparin before specimen collection.
2. Baby wipes or wipes containing soaps or lotions should not be used before specimen collection because these may interfere with results.

**Supplies:** Urine Container, 60 mL (T313)**Container/Tube:** Clean, plastic urine container with no metal cap or glued insert**Specimen Volume:** 12 mL**Pediatric Volume:** 3.5 mL**Collection Instructions:** Collect a random urine specimen (**early morning preferred**).**Current Specimen Minimum Volume**

3 mL

**New Specimen Minimum Volume**

3.5 mL

**Current Reference Values**

An interpretive report will be provided.

**New Reference Values**

Dermatan Sulfate:

&lt; or =1.00 mg/mmol creatinine

Heparan Sulfate:

&lt; or =4 years: &lt; or =0.50 mg/mmol creatinine

&gt; or =5 years: &lt; or =0.25 mg/mmol creatinine

Chondroitin-6 Sulfate:

&lt; or =24 months: &lt; or =10.00 mg/mmol creatinine

25 months-10 years: &lt; or =2.50 mg/mmol creatinine

&gt; or =11 years: &lt; or =1.50 mg/mmol creatinine

Keratan Sulfate:

&lt; or =12 months: &lt; or =2.00 mg/mmol creatinine

13-24 months: &lt; or =1.50 mg/mmol creatinine

25 months-4 years: &lt; or =1.00 mg/mmol creatinine

5-18 years: &lt; or =0.50 mg/mmol creatinine

&gt; or =19 years: &lt; or =0.30 mg/mmol creatinine

Free Sialic Acid:

&lt; or =4 weeks: &lt; or =208 mmol/mol creatinine

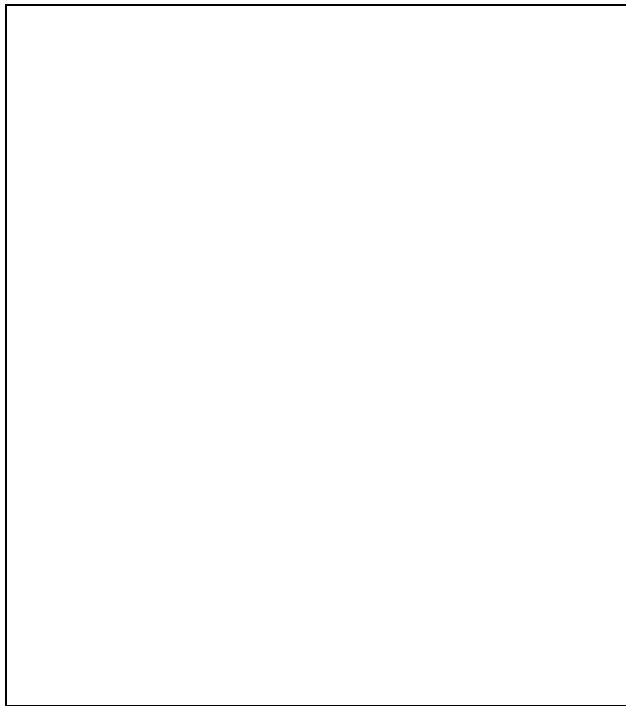
5 weeks-12 months: &lt; or =104 mmol/mol creatinine

13 months-18 years: &lt; or =100 mmol/mol creatinine

&gt; or =19 years: &lt; or =38 mmol/mol creatinine

Total Sialic Acid:

&lt; or =4 weeks: &lt; 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

Ceramide Trihexosides:  
Negative

Sulfatides:  
Negative

Oligosaccharides:  
Negative

An interpretive report will be provided.

Current Report Available
11 to 17 days

New Report Available
8 to 14 days

Current CPT Code Information
83789 83864 84377 82570

New CPT Code Information
83789 83864 84377 84275

Current Result Codes		
Result ID	Reporting Name	LOINC Value
606773	Lysosomal Storage Disorders Interp	94423-1
606772	Reviewed By	18771-6

New Result Codes		
Result ID	Reporting Name	LOINC Value
621077	Dermatan Sulfate	94692-1
621078	Heparan Sulfate	94693-9
621079	Chondroitin-6 Sulfate	94690-5
621080	Keratan Sulfate	92806-9
621074	Free Sialic Acid	In Process
621075	Total Sialic Acid	In Process
621076	Total/Free Sialic Acid Ratio	In Process
621081	Ceramide Trihexosides	34680-9
621082	Sulfatides	34646-0
621083	Oligosaccharides	12239-0
606773	Lysosomal Disorders Interpretation	94423-1
606772	Reviewed By	18771-6

## Questions

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