MAYO CLINIC LABORATORIES

# Test Definition: ARSU

Arylsulfatase A, 24 Hour, Urine

**Reporting Title:** Arylsulfatase A, U
**Performing Location:** Rochester

## Ordering Guidance:

The preferred test to rule-out metachromatic leukodystrophy is ARSAW / Arylsulfatase A, Leukocytes.

## Shipping Instructions:

Specimen must be received at least 1 day prior to assay day for processing.

## Necessary Information:

24-Hour volume (in milliliters) is required.

## Specimen Requirements:

Supplies: Urine Tubes, 10 mL (T068)
Container/Tube: Plastic, 10-mL tube
Specimen Volume: 6 mL
Collection Instructions:
1. Collect a 24-hour urine specimen.
2. No preservative.
3. Refrigerate specimen during collection.
Additional Information: See Urine Preservatives-Collection and Transportation for 24-Hour Urine Specimens for multiple collections.

## Specimen Minimum Volume:

2.5 mL

## Forms:

1. New York Clients-Informed consent is required. Document on the request form or electronic order that a copy is on file. The following documents are available:
-Informed Consent for Genetic Testing (T576)
-Informed Consent for Genetic Testing-Spanish (T826)
2. Biochemical Genetics Patient Information (T602)
3. If not ordering electronically, complete, print, and send a Biochemical Genetics Test Request (T798) with the specimen.

## Urine Preservative Collection Options:

Note: The addition of preservative or application of temperature controls must occur within 4 hours of completion of the collection.
Ambient No

Refrigerate Required
Frozen No
50% Acetic Acid No
Boric Acid No
Diazolidinyl Urea No
6M Hydrochloric Acid No
6M Nitric Acid No
Sodium Carbonate No
Thymol No
Toluene No

| Specimen Type | Temperature | Time | Special Container |
|---|---|---|---|
| Urine | Refrigerated | 14 days | |

## Result Codes:

| Result ID | Reporting Name | Type | Unit | LOINC® |
|---|---|---|---|---|
| 8777 | Arylsulfatase A, U | Numeric | nmol/h/mL | 42726-0 |
| 37423 | Interpretation (ARSU) | Alphanumeric | | 59462-2 |
| 37413 | Reviewed By | Alphanumeric | | 18771-6 |

LOINC and CPT codes are provided by the performing laboratory.

## Supplemental Report:
No

## CPT Code Information:

84311

## Reference Values:

> or =19 nmol/h/mL
Note: Results from this assay may not reflect carrier status because of individual variation of arylsulfatase A enzyme levels. Low normal values may be due to the presence of pseudodeficiency or carrier alleles. Patients with these depressed levels may be phenotypically normal.