

Patient ID 321	Patient Name TESTRNV, MSDW ATLAS	Birth Date 1968-02-19	Sex M	Age 55
Order Number X100426792	Client Order Number X100426792	Ordering Physician TESTING	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 10 Aug 2023 05:00		

Multiple sulfatase deficiency, WBC

Reason for Referral

Rule out MSD

MCR

Interpretation

1 MCR

NEGATIVE In this sample, the activities of iduronate-2-sulfatase, heparan-N-sulfatase, N-acetylglucosamine-6-sulfatase, and N-acetylgalactosamine-6-sulfatase in leukocytes were normal indicating that this patient is not affected with multiple sulfatase deficiency (MSD). Please note that this assay is not designed to determine carrier status. Enzyme levels may be normal in patients who have undergone bone marrow transplantation.

ADDITIONAL INFORMATION

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

Reviewed By

Marie Quade

MCR

Received: 10 Aug 2023 14:36

Reported: 10 Aug 2023 15:25

Iduronate-2-sulfatase

2.25 nmol/h/mg Prot

MCR

Reference Value
>2.20

Heparan-N-sulfatase

0.15 nmol/h/mg Prot

MCR

Reference Value
>0.13

N-acetylglucosamine-6-sulfatase

0.06 nmol/h/mg Prot

MCR

Reference Value
>0.03

N-acetylgalactosamine-6-sulfatase

1.75 nmol/h/mg Prot

MCR

Reference Value
>1.60

Laboratory Notes

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292