MAYO CLINIC LABORATORIES

TEST DOWN

Notification Date: February 28, 2025
Effective Date: Immediately

Mucopolysaccharidoses, Nine-Enzyme Panel, Leukocytes

Test ID: MP9W

Explanation:
Due to assay issues Test ID: MP9W will be non-orderable, effective immediately. Recommended alternative testing is listed below. Refer to the Genetic and Useful For information for ordering guidance. See further specimen and testing details in the Mayo Clinic Laboratories Lab Test Catalog. Notification will be sent when testing resumes.

Recommended Alternative Tests:

Test ID	Test Name	Genetic Information	Useful For
NCLW	Neuronal Ceroid Lipofuscinosis, Two-Enzyme Panel, Leukocytes	This test provides diagnostic testing for individuals with clinical signs and symptoms suspicious for neuronal ceroid lipofuscinosis 1 or 2 (CLN1 or CLN2). If an enzyme deficiency is detected by this screening test, additional biochemical or molecular testing is required to confirm a diagnosis.	Supporting the biochemical diagnosis of two neuronal ceroid lipofuscinoses, CLN1 and CLN2 in whole blood specimens This test is **not useful** for carrier detection.
MPS3W	Mucopolysaccharidosis III, Four-Enzyme Panel, Leukocytes	This panel provides diagnostic testing for individuals with clinical signs and symptoms suspicious for mucopolysaccharidosis type IIIA, IIIB, IIIC or IIID. If an enzyme deficiency is detected by this test, additional biochemical or molecular testing is required to confirm a diagnosis.	Supporting the biochemical diagnosis of mucopolysaccharidoses types IIIA, IIIB, IIIC, IIID This test is **not useful for** carrier detection.
MPS4W	Mucopolysaccharidosis IV Enzyme Panel, Leukocytes	This test provides diagnostic testing for individuals with clinical signs and symptoms suspicious for mucopolysaccharidosis type IVA or IVB. If an enzyme deficiency is detected by this test, additional biochemical or molecular testing is required to confirm a diagnosis.	Supporting the biochemical diagnosis of mucopolysaccharidosis type IVA and IVB in whole blood specimens This test is **not useful for** carrier detection.

Test ID	Test Name	Genetic Information	Useful For
ARSAW	Arylsulfatase A, Leukocytes	This is the preferred test to rule-out metachromatic leukodystrophy. Metachromatic leukodystrophy is caused by deficient activity of arylsulfatase A (*ARSA*) enzyme and is characterized by progressive neurologic changes and leukodystrophy with variable age of onset. Pseudodeficiency of arylsulfatase A (ARSA) enzyme has been recognized with increasing frequency among patients with other apparently unrelated neurologic conditions as well as among the general population. Additional studies, such as molecular genetic testing of *ARSA* (CGPH / Custom Gene Panel, Hereditary, Next-Generation Sequencing, Varies; specify *ARSA* Gene List ID: IEMCP-WHFH2K), urinary excretion of sulfatides (CTSU / Ceramide Trihexosides and Sulfatides, Random, Urine), and/or histological analysis for metachromatic lipid deposits in nervous system tissue are recommended to confirm a diagnosis.	Preferred enzymatic test for detection of arylsulfatase A deficiency This test is **not suitable** for carrier detection.
GUSBW	Beta-Glucuronidase, Leukocytes	This test provides diagnostic testing for individuals with clinical signs and symptoms suspicious for mucopolysaccharidosis type VII (MPS VII, Sly syndrome). If an enzyme deficiency is detected by this test, additional biochemical or molecular testing is required to confirm a diagnosis.	Supporting the biochemical diagnosis of mucopolysaccharidosis type VII (MPS VII, Sly syndrome) in whole blood This test is **not useful for** carrier detection.
MSDW	Multiple Sulfatase Deficiency, Leukocytesv	This test is a screening panel for individuals with clinical signs and symptoms suspicious for multiple sulfatase deficiency. If an enzyme deficiency is detected by this screening test, additional biochemical or molecular testing is required to confirm a diagnosis.	Supporting the biochemical diagnosis of multiple sulfatase deficiency in whole blood specimens This test is **not useful for** carrier detection.

Questions

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