MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN
LABORATORIES

Test Update 902

Posted Date 03/19/2025
Effective Date 03/27/2025
Test Name CYP21A2 Gene, Full Gene Analysis
Update Type Test Methodology Changed
CPT Code 81405, 81402

TEST METHODOLOGY CHANGE

CYP21A2 Gene, Full Gene Analysis

Order Code: CYPZ

Fee Code: 40393 (CPT 81405, 81402)

Reference Laboratory: Mayo CYPZ

Effective March 27, 2025, Mayo Clinic Laboratories will perform the CYP21A2 (21-Hydroxylase Gene), Full Gene Analysis assay using a Polymerase Chain Reaction (PCR) Amplification followed by DNA Sequence Analysis and Gene Dosage Analysis by Multiplex Ligation-Dependent Probe Amplification (MLPA) and droplet digital PCR (ddPCR) test methodology. Following this change there will be changes to specimen collection and handling requirements.

Collection Instructions: Collect specimen in a lavender (EDTA) or yellow top (ACD) tube. Send 3 mL of whole blood specimen in original tube (do not aliquot). Store and transport at room temperature. Specimens are preferred to be received by testing laboratory within 4 days of collection. Extraction will be attempted for specimens received after 4 days, and DNA yield will be evaluated to determine if testing may proceed. Other acceptable specimen types include extracted DNA (1 mL), amniotic fluid, and chorionic villi. A previous bone marrow transplant from an allogenic donor will interfere with testing. Consultation with the laboratory is required for all prenatal testing.

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