MAYO
Mayo Medical Laboratories
1-800-533-1710

NEW TEST ANNOUNCEMENT
NOTIFICATION DATE: June 20, 2012
EFFECTIVE DATE: June 28, 2012

INTERLEUKIN 28B (*IL28B*) POLYMORPHISM (RS12979860), BLOOD
Test ID: BIL28

ADDITIONAL TESTS:

Test ID	Reporting Name	Available Separately	Always Performed
NPLXT	Rapid DNA Extraction	No	Yes

TESTING ALGORITHM:
When this test is ordered, DNA extraction will always be performed at an additional charge. However, for multiple genotype test orders, only a single specimen is needed. The DNA extraction will only be charged once.

USEFUL FOR: Predicting responsiveness of genotype 1 hepatitis C viral infections to combined pegylated-interferon and ribavirin-based therapies.

METHODOLOGY: Polymerase chain reaction (PCR) followed by 5'-nuclease end-point allelic discrimination analysis

REFERENCE VALUES: Not applicable. Please see the Interpretation section of the Lab Test Catalog for further information.

SPECIMEN REQUIREMENTS: Multiple genotype tests can be performed on a single specimen after one DNA extraction process. See Multiple Genotype Tests in Special Instructions for a list of tests that can be ordered together.

Container/Tube: Lavender top (EDTA)
Specimen Volume: 3 mL
Collection Instructions: Send specimen in original tube.
Additional Information: Patients who had a heterologous blood transfusion within the preceding 45 days (6 weeks), or who have received an allogeneic bone marrow transplant, can have false genetic test results as human DNA present in the blood may be a mixture of patient and donor DNA. For these patients, saliva specimen (rather than blood) should be submitted for OIL28/61701, Interleukin 28B (*IL28B*) Polymorphism (rs12979860), Saliva.
Note: *IL28B* is expressed in the liver following HCV-infection. For liver transplant patients, the *IL28B* genotype of the recipient and the donor are independent predictors of sustained virologic response with combined pegylated-interferon and ribavirin therapy.

Forms: New York Clients-Informed consent is required. Please document on the request form or electronic order that a copy is on file. An Informed Consent for Genetic Testing (Supply T576) is available in Special Instructions.

SPECIMEN STABILITY INFORMATION:

Specimen Type	Temperature	Time
Whole Blood EDTA	Ambient	

CAUTIONS:

- Patients who had a heterologous blood transfusion within the preceding 45 days (6 weeks), or who have received an allogeneic bone marrow transplant, can have false genetic test results as human DNA present in the blood may be a mixture of patient and donor DNA. For these patients, saliva specimen (rather than blood) should be submitted for OIL28/61701, Interleukin 28B (*IL28B*) Polymorphism (rs12979860), Saliva.
- *IL28B* is expressed in the liver following HCV-infection. For liver transplant patients, the *IL28B* genotype of the recipient and the donor are independent predictors of sustained virologic response with combined pegylated-interferon and ribavirin therapy.
- This test does not detect polymorphism or mutations other than the single-nucleotide polymorphism (SNP) of rs12979860 C/T.
- Drug-drug interactions and drug-metabolite inhibition must be considered.
- Rare polymorphisms exist and could lead to false-negative or false-positive results.

LIST FEE: $133.50

The following test(s) will be added at an additional charge: $165.50 for NPLXT/60273 Rapid DNA Extraction

$299.00 = Total List Fee

CPT CODE:
Interleukin 28B (*IL28B*) Polymorphism (rs12979860), Blood
83898-Amplification of nucleic acid, each sequence
83896 X2 -Nucleic acid probe, each
83912-Interpretation and Report

Rapid DNA Extraction
83890-Molecular Extraction

DAY(S) SET UP: Monday, Wednesday, Friday

ANALYTIC TIME: 1 day

QUESTIONS: Contact your Mayo Medical Laboratories' Regional Manager or
Shirley Pokorski, MML Laboratory Technologist Resource Coordinator
Telephone: 800-533-1710