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), SALIVA
Test ID: OIL28

ADDITIONAL TESTS:

Test ID	Reporting Name	Available Separately	Always Performed
NPXTO	Rapid DNA Extraction, Saliva	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
- Establishing the IL28B genotype in patients who received a heterologous blood transfusion in the preceding 45 days (6 weeks) or allogeneic bone marrow transplants

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: Oragene DNA Self-Collection Kit (Supply T651)
Specimen Volume: Full tube
Collection Instructions:
1. Fill tube to line.
2. Send specimen in original container per kit instructions.

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
Saliva	Ambient	

CAUTIONS:

- 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.
- Saliva specimen type should be used for patients who received a heterologous blood transfusion in the preceding 45 days (6 weeks), and for patients who have received an allogeneic bone marrow transplant.
- *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.
- 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 NPXTO/60273 Rapid DNA Extraction, Saliva

$299.00 =Total List Fee

CPT CODE:
Interleukin 28B (*IL28B*) Polymorphism (rs12979860), Saliva
83898-Amplification of nucleic acid, each sequence
83896 X 2-Nucleic acid probe, each
83912-Interpretation and Report

Rapid DNA Extraction, Saliva
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