



**SOLUTE CARRIER ORGANIC ANION TRANSPORTER FAMILY MEMBER
 1B1 (SLCO1B1) GENOTYPE, STATIN, SALIVA**
 Test ID: SLC1O

USEFUL FOR:

- Aiding prediction of risk for statin-associated myopathy in patients beginning statin therapy, especially simvastatin therapy
- Determining a potential genetic effect related to statin intolerance in patients with statin-associated myopathy, especially related to simvastatin
- Assessing the SLCO1B1 *5 genotype in patients who received a blood transfusion or bone marrow transplant in the preceding 45 days (6 weeks)

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 saliva genotype test orders, only a single specimen is needed. The DNA extraction will only be charged once.

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

REFERENCE VALUES: An interpretive report will be provided.

SPECIMEN REQUIREMENTS:

NOTE: Multiple genotype tests can be performed on a single specimen after a single extraction. See Multiple Saliva Genotype Tests in Special Instructions for a list of tests that can be ordered together.

Collection 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 may not be useful for patients taking a statin other than simvastatin.
- Simvastatin-related myopathy can occur in the absence of *SLCO1B1* *5.
- The presence of *SLCO1B1* *5 does not confer absolute risk for simvastatin-associated myopathy.
- This test does not detect polymorphism or mutations other than the specific *5 allele in exon 6.
- This test is not indicated for stand-alone diagnostic purposes.
- This test is not intended to be used to predict drug response.
- Drug-drug interactions and drug/metabolite inhibition must be considered.
- Blood transfusions or bone marrow transplantation prior to having blood drawn for DNA analysis can generate false results as DNA in the specimen may be a mix of patient and donor DNA. This test is useful in these situations.
- Rare polymorphisms exist that could lead to false-negative or false-positive results. If results obtained do not match the clinical findings, additional testing could be considered.

FEE: Please contact your Regional Manager for your account's fee information.

CPT CODE:

Solute Carrier Organic Anion Transporter Family Member 1B1 (SLCO1B1)

Genotype, Statin, Saliva

83898-Amplification, target, each nucleic acid sequence

83896 x 2-Nucleic acid probe, each

83912-Interpretation and report

Rapid DNA Extraction, Saliva

83890-Molecular extraction

DAY(S) SET UP: Monday

ANALYTIC TIME: 1 day

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