



Patient ID SA00046908	Patient Name SAMPLEREPORT, OIL28	Birth Date 1966-06-10	Gender F	Age 45
Order Number SA00046908	Client Order Number SA00046908	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 03 Jun 2012 13:00		

Rapid DNA Extraction, Saliva

Comment

MCR

Genomic DNA was extracted.

Received: 04 Jun 2012 08:42

Reported: 04 Jun 2012 10:46

QA Environment

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905

Patient ID SA00046908	Patient Name SAMPLEREPORT, OIL28	Birth Date 1966-06-10	Gender F	Age 45
Order Number SA00046908	Client Order Number SA00046908	Ordering Physician Client, Client	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 03 Jun 2012 13:00		

IL28B Polymorphism Genotype, Saliva

IL28B Polymorphism Genotype

MCR

CT

IL28B Interpretation

MCR

IL28B-related rs12979860 CT genotype has been associated with a poorer viral response in HCV genotype 1-infected individuals treated with combined pegylated-interferon and ribavirin therapy as compared to CC genotypes. Individuals with the CC genotype, which is not the situation for this patient, have approximately a 2- to 3-fold greater rate of sustained virologic response (SVR) in HCV genotype 1-infected individuals treated with combined pegylated interferon and ribavirin therapy as compared to either the CT or TT genotypes. Similar SVR have been observed across various racial groups including European Americans, African Americans, and Hispanics. CC genotype has also been associated with a 3-fold increase in rate of spontaneous clearance of HCV. IL28B genotype is only one of many factors that can influence response related to pegylated interferon/ribavirin combination therapy in HCV genotype 1 infection and should be interpreted in the context of other clinical factors.

ADDITIONAL INFORMATION

Direct polymorphism analysis of the IL28B-related rs12979860 polymorphism is performed by a Polymerase Chain Reaction

(PCR) based 5'-nuclease assay using fluorescently labeled detection probes. This DNA testing will not detect all the known mutations and polymorphisms of IL28B. Absence of mention of a specific gene mutation or polymorphism does not rule out the possibility that a patient has that or another variation that can impact the function of this gene, drug response or drug side effects.

CAUTIONS:

If the patient has had an allogeneic blood or marrow transplant or a recent (i.e. less than 6 weeks from time of sample collection) heterologous blood transfusion these results may be inaccurate due to the presence of donor DNA. 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. Laboratory developed test.

Reviewed by

MCR

Jamie Brufat

Received: 04 Jun 2012 08:42

Reported: 04 Jun 2012 08:56

Performing Site Legend

Code	Laboratory	Address
MCR	Mayo Clinic Dept. of Lab Med and Pathology	200 First Street SW, Rochester, MN 55905