
NOTICE DATE: October 26, 2016

EFFECTIVE DATE: November 2, 2016

NEW TEST

TERT Promoter Mutation

Order Code: TERTF
CPT Codes: 81479, 88381-TC, G0452-26, 88381-26

The MLabs Molecular Diagnostics Laboratory will begin offering TERT Promoter Mutation testing by multiplex allele-specific PCR with capillary electrophoresis detection effective November 2, 2016.

Test Usage:

TERT (telomerase reverse transcriptase) is involved in maintaining the length of chromosome telomeres. The TERT gene is normally expressed in germ cells and stem cells but is repressed in postnatal somatic cells. Because chromosomes are shortened with each round of DNA replication, cells without telomerase activity have a limited number of divisions before apoptosis occurs. Telomerase activity, therefore, plays an important role in immortalizing the cells of many types of cancer. A common mechanism of increased telomerase activity in cancer is mutation of the TERT promoter. These mutations create a consensus binding site for ETS transcription factors leading to increased TERT expression. The detection of TERT promoter mutations can be useful in assessing the malignant potential of some lesions such as melanocytic lesions or in distinguishing certain types of cancer from benign histologic mimics. In addition, for some cancer types, such as papillary thyroid carcinoma, melanoma and glioma, TERT promoter mutations are associated with an inferior prognosis. This test uses allele-specific PCR to detect TERT promoter mutations including c.-146C>T (C250T; Chr.5:1295250C>T), c.-124C>T (C228T; Chr.5:1295228C>T), c.-138_139CC>TT (Chr.5:1295242_1295243CC>TT) and c.-124_125CC>TT (Chr.5:1295228_1295229CC>TT). Genomic positions are based on hg19 assembly NC_000005.9.

Collection Instructions: For formalin-fixed, paraffin-embedded tissue, a block containing an area with a high percentage of neoplastic cells (for micro-/macro-dissection) is preferred. Unstained, UNBAKED slides (5-8, 10-micron slides; 10-15 if few neoplastic cells are present) with associated H&E stained slide are also acceptable. Decalcified tissue or other fixatives will be accepted and the assay attempted, however these may result in failed testing due to degraded nucleic acid. Both blocks and slides should be stored at room temperature. A Diff-Quik stained aspirate smear (preferably containing a high percentage and overall amount of neoplastic cells) is also acceptable. Store at room temperature.

EFFECTIVE DATE: July 15, 2016

REFERENCE LABORATORY CHANGE

Lipoprotein Associated Phospholipase A2

Order Code: PLAC
LOINC: 39804-0
Fee Code: 22037
Reference Laboratory: ARUP 0081055
New Reference Lab: Mayo PLACA

Please note that ARUP discontinued their Lipoprotein Associated Phospholipase A2 assay effective July 15, 2016. Requests for this test will be sent to Mayo Medical Laboratories.

Collection Instructions: Collect specimen in an SST tube. Centrifuge, aliquot 1 mL (minimum 0.5 mL) of serum into a plastic vial and refrigerate (preferred) or freeze.



**MLABS – DEPARTMENT OF PATHOLOGY
ATTN: IMPORTANT TEST INFORMATION
TEST UPDATE 598**

Reference Range: > or =18 years: Males: < or =284 nmol/min/mL; Females: < or =228 nmol/min/mL. Reference values have not been established for patients who are <18 years of age.

EFFECTIVE DATE: November 1, 2016

CPT UPDATES

Please note the following CPT revisions effective November 1, 2016:

Test	Order Code	Fee Code	New Fee Code	New CPT
Cryptococcus Antigen, CSF	CRAGC	20219	LA011	87327
Cryptococcus Antigen, Serum	CRAGS	20219	LA011	87327
Cryptococcus Antigen, Titer	Cragt	20220	LA012	87327