



# DIRECTORY OF SERVICES

## Affymetrix 500K Genotyping Assay

**Test Number: 000599**

### CPT

### Related Information

### Synonyms

### Specimen Type

EDTA anticoagulated whole blood

### Volume Requirements

7 mL whole blood

### Minimum Volume

3 mL whole blood

### Collection Container

Lavender-top (EDTA) tube

### Storage Instructions

Maintain specimen at room temperature (maximum of 3 days) or refrigerate (maximum of 21 days).

### Causes for Rejection

Frozen specimen; hemolysis; quantity or quality not sufficient for analysis; improper container.

### Use

The Affymetrix 500K test is intended to identify a patient's genotype from genomic DNA. Information about genotyping may be used as an aid to clinicians in determining long range planning for monitoring patient health.

### Limitations

Affymetrix 500K microarray platform is used to determine the genotype. The PCR amplified products are fragmented, biotin-labeled, hybridized to oligonucleotides located on the Affymetrix Gene Chip® then stained with a streptavidin-conjugated fluorescent dye. The microarrays are scanned and analyzed for genotyping.