Infectious Disease: Drug Resistance Testing

TRANSPLANT MEDICINE: CYTOMEGALOVIRUS DRUG RESISTANCE BY NEXT GENERATION SEQUENCING

Cytomegalovirus (CMV) infection is one of the most serious infectious complications of transplantation. The development of drug-resistant CMV is associated with significant morbidity. ARUP's testing ensures that antiviral drug resistance is identified early and accurately, which is essential for optimal treatment.

3004615	**Cytomegalovirus Drug Resistance by Next Generation Sequencing, Ganciclovir, Foscarnet, Cidofovir, Maribavir, and Letermovir**

HIV DRUG THERAPY: HUMAN IMMUNODEFICIENCY VIRUS-1 DRUG RESISTANCE BY NEXT GENERATION SEQUENCING

The detection of mutations that confer resistance to antiretroviral drugs is critical for selecting effective HIV treatment regimens. ARUP's test results guide individualized treatment strategies to avoid immune system damage, prolong life expectancy, and improve quality of life.

3003853	**Human Immunodeficiency Virus 1 Drug Resistance by Next Generation Sequencing**

ARUP LABORATORIES

aruplab.com/drug-resistance

Why Choose ARUP?

EARLIEST DETECTION

ARUP's tests offer a high likelihood of early detection because they identify drug-resistant viral populations at lower concentrations than standard Sanger sequencing.

MORE DRUGS REPORTED

Our assays sequence hundreds of gene variants to provide guidance with respect to all available antiviral drugs.

REDUCED TURNAROUND TIME

Next generation sequencing interrogates multiple targets simultaneously and shortens the wait for results.

CUSTOM REPORTING SOLUTIONS

Our custom software solution interfaces with the gold-standard Stanford University HIV database to provide up-to-date reporting with meaningful, intuitive insights that guide therapy.

VIRUSES EVOLVE.
SO DOES OUR
DIAGNOSTIC
TECHNOLOGY.

Achieve therapeutic success with the right test:

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