

# Genetic Assays Introduces a PCR Panel for Transplant Recipients

- The **BK Virus** is a human polyomavirus and appears most frequently in renal and bone marrow transplant (BMT) patients.
- **Human Adenovirus** is omnipresent and primary infections typically occur in children within 30 days of transplantation. Whereas in adults, they tend to be found more than 90 days after transplantation.
- **Cytomegalovirus (CMV)** is the most common and most important infectious agent among transplant recipients. Morbidity due to CMV is highest among BMT patients and lowest among kidney transplant patients.
- **Epstein-Barr Virus (EBV)** is a herpes virus that has been linked to the risk of developing post-transplant lymphoproliferative disorder (PTLD).

## Adenovirus DNA-Quantitation

### Test Code #3701

#### Clinical Applications:

Proper management of Adenovirus depends on the ability to diagnose an infection early and differentiate it from other conditions which can closely resemble it, such as CMV. Real-time DNA PCR offers an earlier and more accurate diagnosis of Adenovirus.

#### Method:

Real-time PCR

#### Specimen Requirements:

Urine, EDTA or ACD whole blood, serum, EDTA blood plasma, fresh tissue, bone marrow.

#### CPT Code:

87799

#### Turn-around time:

24 hrs.

## CMV DNA-Quantitation

### Test Code #3702

#### Clinical Applications:

After all major transplants, including kidney, liver, BMT, etc., most patients develop a CMV infection. Viral load monitoring of CMV is helpful in the diagnosis and management of CMV infection and reactivation.

#### Method:

Real-time PCR

#### Specimen Requirements:

EDTA or ACD whole blood, cerebrospinal fluid, fresh tissue, bone marrow.

#### CPT Code:

87496

#### Turn-around time:

24 hrs.

## PCR Transplant Panel

### Test Code #3000

- #3700 BK Virus DNA-Quantitation
- #3701 Adenovirus DNA-Quantitation
- #3702 CMV DNA-Quantitation
- #6111 EBV DNA-Quantitation

## BK Virus DNA-Quantitation

### Test Code #3700

#### Clinical Applications:

BKV viral load monitoring can be helpful in the diagnosis and management of BKV nephropathy.

#### Method:

Real-time PCR

#### Specimen Requirements:

Urine, EDTA or ACD whole blood, serum, EDTA blood plasma, fresh tissue, bone marrow.

#### CPT Code:

87799

#### Turn-around time:

24 hrs.

## EBV DNA-Quantitation

### Test Code #6111

#### Clinical Applications:

Quantitative PCR of EBV DNA can be an important tool for early diagnosis as well as a method to monitor response to treatment.

#### Method:

Real-time PCR

#### Specimen Requirements:

Urine, EDTA or ACD whole blood, serum, EDTA blood plasma, fresh tissue, bone marrow.

#### CPT Code:

87799

#### Turn-around time:

24 hrs.

---

CPT and ICD-9 codes are provided only as guidance to assist you in billing. The CPT and ICD-9 codes listed reflect our interpretation only and are subject to change at any time. It is your responsibility to verify the accuracy of the codes listed and to assign values to each code based on the reimbursement for your area.

---

### Genetic Assays, Inc

4711 Trousdale Drive, Suite 209 • Nashville, TN 37220  
615-781-0709 • 800-390-5280 • Fax 615-781-0766

Visit our Web site at [www.geneticassays.com](http://www.geneticassays.com)