

ADENOVIRUS QUANTITATIVE

CERNER ORDERABLE

Adenovirus PCR QN, AdenoQN

CPT CODE

87799

CLINICAL UTILITY

Adenovirus has been recognized as a cause of morbidity and mortality after hematopoietic stem cell transplantation (HSCT). Progression to adenovirus disease has been documented in pediatric HSCT recipients and in T cell-depleted HSCT recipients. Transplant related mortality with disseminated disease in pediatrics has been published to exceed 80%. Recent publications have suggested monitoring blood samples for adenovirus DNA is a sensitive tool for recognition of patients at risk for developing adenovirus disease.¹

METHODOLOGY

Quantitative PCR

SPECIMENS

Plasma: Collect in 3 mL lavender top tube. Spin and separate plasma within 6 hours of collection. Aliquot plasma and refrigerate.

SPECIMEN STABILITY

Room temperature up to 6 hours, Refrigerated up to 5 days, greater than 5 days frozen

SHIPPING

Ship plasma on ice packs or if frozen on dry ice

CAUSES FOR REJECTION

Plasma not separated within 6 hours of collection.
Whole Blood frozen

SPECIFICITY

Primers and probes are specific for Adenovirus. No cross reactivity was observed when tested against CMV, BKV, HSV 1, HSV 2, EBV, HHV-6 variant A and HHV-6 variant B

ASSAY RANGE

475 copies per mL to 4,750,000 copies per mL

TURNAROUND TIME

Monday-Friday, 24-72 hours

1. Reference information can be found in the Indiana University Health Molecular Assay Procedures.