

## Certificate of Analysis

**Product Name:** AnaPrep Viral/Pathogen Nucleic Acids Extraction Kit A**Cat #:** Z1322011**Lot Number:** \_\_\_\_\_**Description**

The AnaPrep Viral/Pathogen Nucleic Acids Extraction Kit A is used with the AnaPrep 12 instrument for extraction of Viral DNA or RNA from cell-free samples such as serum, plasma, and other cell-free body fluids.

**Quality Control****Magnetic beads****PASSED**

The Magnetic bead binding capacity was tested with whole blood or DNA virus as samples to check the difference between lots. The variation should meet our standards.

**Proteinase K activity**

One unit is defined as the amount of enzyme that will liberate 1.0  $\mu$ mol tyrosine from casein per min at 37, pH7.5

**Buffer**

Conductivity and pH of buffer were tested to be within the range below:

	Conductivity (mS/cm)	pH	
Lysis buffer	20-25(1/10 dilution)	4.5-6.2	_____
Binding buffer	1.0-2.4	7.2-8.2	_____
Wash buffer 2	50.6-60.0	7.5-7.8	_____
Wash buffer A	35-41	7.6-8.2	_____
Wash buffer B	35-41	7.6-8.2	_____
Elution buffer	0.45-0.62	7.8-8.2	_____

**Carrier RNA**

Molecular weight: 100-500KD

2.3  $\mu$ mol/mg Poly(A) (from absorbance) in relation to one mononucleotide unit.

Chromatographically homogeneous.

**Performance**

Virus and bacteria were used to check the difference between lots. Analysis by qPCR should show a variation below 1 Ct.

**Storage condition**

AnaPrep Viral/Pathogen Nucleic Acids Extraction Kit A should be stored at room temperature (15-25°C); Storage at higher temperature should be avoided.

**Components**

1. AnaPrep Viral/Pathogen Nucleic Acids Extraction Kit A
2. Certificate of Analysis

**FOR IN VITRO RESEARCH USE ONLY****APPROVED BY:** \_\_\_\_\_