



Nipah Virus Nucleic Acid Detection Kit (Fluorescent PCR)

■ Product Introduction

Nipah virus infection is a zoonotic disease transmitted to humans from animals, as well as through contaminated food or direct person-to-person contact. With reported case fatality rates exceeding 40%, and reaching up to 75% in some outbreaks, early detection is critical to outbreak control. In humans, infection can range from asymptomatic or mild illness to acute respiratory disease and fatal encephalitis. The virus can also cause severe disease in animals, particularly pigs, leading to significant economic losses in affected regions. Nipah virus belongs to the Henipavirus genus (Paramyxoviridae) and is mainly classified into two genotypes, NiV-Malaysia and NiV-Bangladesh. Accurate molecular detection plays a critical role in virological research, epidemiological investigations, and outbreak preparedness.

The Nipah Virus Nucleic Acid Detection Kit (Fluorescent PCR) is designed for the sensitive and specific detection of both NiV-Malaysia and NiV-Bangladesh genotypes of Nipah virus RNA. Based on real-time PCR technology, the kit delivers reliable performance and is compatible with standard qPCR platforms, supporting laboratories engaged in emerging infectious disease research and surveillance.

■ Product Features



Fast Turnaround Time

Nucleic acid detection can be completed in as fast as 35 minutes, enabling rapid decision-making in laboratory settings.



Internal Control

Enables monitoring of nucleic acid extraction and PCR amplification efficiency, ensuring reliable results and reducing false negatives.



Convenient and Simple

Ready-to-use premix, minimizes pipetting errors, and improves repeatability.



High Specificity

No cross-reactivity has been observed with common human pathogens (including HBV, HCV, influenza viruses, dengue virus, zika virus, coronaviruses, and adenovirus), human genomic DNA, or porcine viruses such as PEDV and ASFV, ensuring reliable and accurate results.

■ Product Workflow

◎ Semi-Automated Laboratory Testing Solution



◎ Automated Testing Solution

- Sample in, result out



■ Product Specifications

Parameter Name	Description
Sample Type	Human serum, plasma, oropharyngeal swabs, nasal swabs, urine, cerebrospinal fluid (CSF), tissue homogenates, secretions, viral cultures, and other samples suspected of Nipah virus infection
Sensitivity	200 copies/mL
Precision	The variation coefficient (CV) of within-day, between-day, within-batch and between-batch were less than 5%
Detection Capability	Qualitative
Recommended Extraction Kit	BSC71 MagaBio plus Virus DNA/RNA Purification Kit II BSC86 MagaBio Plus Virus DNA/RNA Purification Kit III BSC110 MagaBio plus Virus DNA/RNA Purification Kit VI
Compatible Platform	FQD-96A, FQD-96C, FQD-A1600, FQD-A9600, ABI 7500, ABI Q7
Time	35 min

■ Ordering Information

Product Name	Cat. No.	Package	Storage Condition
Nipah Virus Nucleic Acid Detection Kit (Fluorescent PCR)	BSJ108S1/M1	25T/50T	Store at -25 °C to -15 °C, protected from light.