

Magnetic Viral DNA/RNA Kit

——Highly efficient purification of viral nucleic acid from serum, plasma, lymph, cell-free body fluid and urine

Cat. No:

4992408

4992409

4992915

Packing Size:

50 preps

200 preps

1000 preps

Description:

Magnetic Viral DNA/RNA Kit adopts magnetic beads with unique separation function and a unique buffer system to separate and purify high-quality viral DNA/RNA from different type of sample. The whole process is safe and convenient and is especially suitable for automatic extraction of high-throughput workstations. The nucleic acid purified by the kit is suitable for various conventional operations.

Product Details

Features:

- High yield: Carrier RNA helps to amplify the yield of virus nucleic acids.
- High throughput: Can be combined with automatic instruments to carry out high throughput extraction experiments.
- Wide use: Suitable for many types of samples.
- Fast operation: Virus RNA/DNA could be obtained within 1 hour.

Specification:

Type: Magnetic beads-based extraction.

Sample: Serum, plasma, lymph, cell-free body fluid, cell culture supernatant, urine and various preservation solutions

Target: Virus DNA and RNA.

Starting volume: 200 μ l

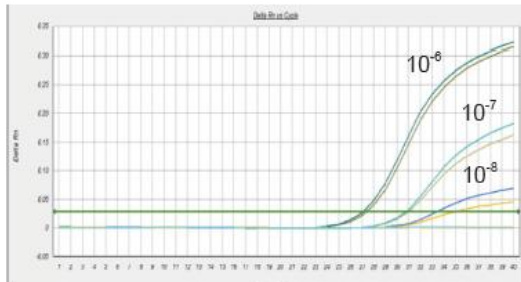
Operation time: ~1 hour

Downstream applications: PCR/qPCR, RT-PCR/RT-qPCR, NGS library construction, etc.

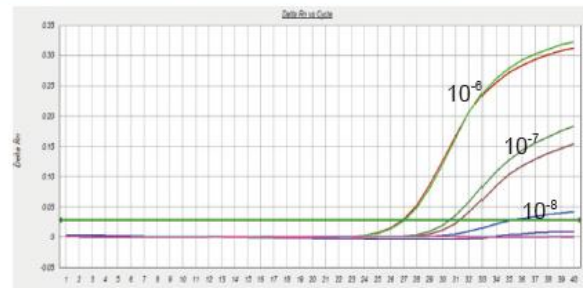
Experimental Example:

Mean Ct value detected by real-time PCR

AIV-H5 dilution gradient		10 ⁻⁶	10 ⁻⁷	10 ⁻⁸
Mean Ct value	Supplier			
	TIANGEN	26.63	30.46	33.14
	Supplier T	26.61	30.48	Undert



Real-time PCR amplification curve of RNA extracted with TIANGEN Magnetic Viral DNA/RNA Kit extracted with product from Supplier T



Real-time PCR amplification curve of RNA extracted with product from Supplier T

After extracting RNA of AIV-H5 (10⁻⁶, 10⁻⁷, 10⁻⁸ dilution gradient) using TIANGEN Magnetic Viral DNA/RNA Kit and relevant product from Supplier T respectively, the virus RNA was detected by real-time PCR using TIANGEN SuperReal PreMix plus. The results show that compared with the product of Supplier T, TIANGEN Magnetic Viral DNA/RNA Kit has lower Ct value, and the yield is slightly higher, especially for low concentration samples.