

E.Z.N.A.[®] Viral RNA Kit

Isolation of viral RNA from acellular fluids such as plasma, serum, urine, etc.

CAT NO: R6874



Rapid

Viral RNA isolation in 20 minutes or less



Versatile

Columns designed for spin or vacuum processing



Quality

Inhibitor-free viral RNA suitable for demanding downstream applications



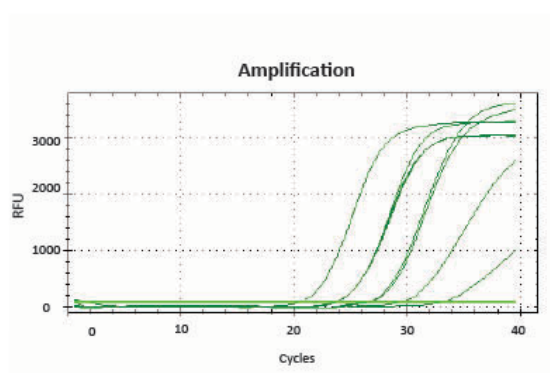
Safe

No organic extractions

Cost-Effective

30% less than the competition on average

E.Z.N.A.[®] Viral RNA Kit is designed for the isolation of viral RNA from cell-free fluids such as plasma, serum, urine, and cell culture supernatant. The procedure completely removes contaminants and enzyme inhibitors, making RNA isolation fast, convenient and reliable. The kit is also suitable for the isolation of total RNA from cultured cells, tissues and bacteria. RNA purified using the E.Z.N.A.[®] Viral RNA method is ready for all downstream applications such as RT-PCR.



| RNA Template | C _t Value |
|--|----------------------|
| 1 x 10 ⁷ viral particles/μL | 19.90 |
| | 19.88 |
| | 19.98 |
| 1 x 10 ⁶ viral particles/μL | 23.09 |
| | 23.09 |
| | 22.99 |
| | 25.48 |
| 1 x 10 ⁵ viral particles/μL | 25.53 |
| | 25.08 |
| | 28.64 |
| 1 x 10 ⁴ viral particles/μL | 28.56 |
| | 28.66 |
| | 31.23 |
| 1 x 10 ³ viral particles/μL | 31.59 |
| | 31.58 |

Real-time PCR of Viral RNA Isolation

Figure 1. Serum was separated from a human blood sample spiked with 1x10⁷ Hepatitis B viral particles/μL. A 10-fold dilution series of the serum was performed and 50 μL of each dilution was used in the Mag-BIND[®] Viral DNA/RNA 96 Kit to isolate viral RNA. 2 μL of recovered RNA from each dilution of serum was used as a template in a real-time PCR reaction with SYBR[®] Green labeling. Each reaction was performed in triplicate. The 5 curves represent the fluorescence versus cycle number for the 5 starting serum concentrations.

| Product Description | Preps | Cat No. |
|-------------------------------------|-------|----------|
| E.Z.N.A. [®] Viral RNA Kit | 5 | R6874-00 |
| | 50 | R6874-01 |
| | 200 | R6874-02 |

For free samples of any of our kits, visit www.omegabiotek.com