

Exgene™ Viral DNA/RNA

The Exgene™ Viral DNA/RNA is designed for the efficient extraction of DNA and RNA from various samples using advanced silica-binding technology. The extracted nucleic acids can be used for a variety of molecular downstream applications.

Storage Conditions

Store at room temperature (15 °C to 25 °C), and avoid direct sunlight.

Additional Information

For more information, including the detailed extraction protocol, or general troubleshooting information, please refer to the full Exgene™ Viral DNA/RNA Instructions for Use (IFU), available at www.geneall.com.

For technical support, contact tech@geneall.com or call +82-2-407-0096.

Kit Contents

Components	Quantity	Storage
Cat. No.	128-150	
No. of preparation	50	Room temperature (15 °C to 25 °C)
Buffer BL (mL)	15	
Buffer RB1 (concentrate) * (mL)	5	
Buffer BW (concentrate) * (mL)	16	
Buffer TW (concentrate) * (mL)	10	
Nuclease-Free Water (mL)	15	
Proteinase K ** (mg)	13	
PK-Storage Buffer ** (mL)	1	
Carrier RNA ** (µg)	370	
Column Type Micro S (with Collection Tube) (ea)	50	
1.5 mL Microcentrifuge Tube (ea)	50	
Quick-IFU (ea)	1	

* Before the first use, add the appropriate amount of absolute ethanol (ACS grade or higher) to Buffer RB1, BW and TW as indicated on the bottle.

** Before using Proteinase K and Carrier RNA for the first time, follow the instructions below.

Proteinase K

Before use, prepare the Proteinase K Solution by adding the specified amount of PK-Storage Buffer according to the chart below. Gently invert to dissolve. Store the Proteinase K Solution at 2 °C to 8 °C (4 °C is recommended). To store Proteinase K Solution for a long time, keep it at -25 °C to -15 °C (-20 °C is recommended).

Proteinase K	13 mg
PK-Storage Buffer	Add 650 µL
Final Concentration	20 mg/mL

Carrier RNA

Before use, prepare the Carrier RNA Solution. Follow the chart below to add the correct amount of Nuclease-Free Water and mix well. Store the solution for Carrier RNA in temperatures at -25 °C to -15 °C (-20 °C is recommended).

Carrier RNA	370 µg
Nuclease-Free Water	Add 370 µL
Final Concentration	1 µg/µL

Brief Protocol for Exgene™ Viral DNA/RNA

1. Put **10 μL of Proteinase K Solution (20 mg/mL)** in a 1.5 mL Microcentrifuge Tube (not provided).
2. Put **200 μL of the sample** in the tube.
3. **Add 200 μL of Buffer BL** to the tube.
4. **Add 7 μL of Carrier RNA Solution (1 $\mu\text{g}/\mu\text{L}$)** to the tube and pulse-vortex for **10 s** to mix thoroughly. Briefly spin down.
5. **Incubate for 10 min at 56 °C** and briefly spin down.
6. Add **400 μL of Buffer RB I to the tube** and pulse-vortex for **10 s** to mix thoroughly. Briefly spin down.
7. **Transfer the mixture to the Column Type Micro S, centrifuge at $\geq 10000 \times g$ for 1 min at room temperature.**
The pass-through must be discarded and the column reinserted into the Collection Tube.
8. **Add 500 μL of Buffer BW and centrifuge at $\geq 10000 \times g$ for 1 min at room temperature.**
The pass-through must be discarded and the column reinserted into the Collection Tube.
9. **Apply 700 μL of Buffer TW and centrifuge at $\geq 10000 \times g$ for 1 min at room temperature.**
The pass-through must be discarded and the column reinserted into the Collection Tube.
10. **Centrifuge at full speed for 1 min at room temperature** to remove residual wash buffer. Place the column in a fresh 1.5 mL Microcentrifuge Tube (provided).
11. **Add 20 μL to 50 μL of Nuclease-Free Water. Incubate for 1 min at room temperature.**
After incubation, **centrifuge at $\geq 10000 \times g$ for 1 min at room temperature.**

For more information about Exgene™ Viral DNA/RNA, visit www.geneall.com.
The detailed IFU is available on the GeneAll website or by scanning the QR code on the right.

