



## GALENVS UP0050 Universal Pathogen Extraction Kit User Guide

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### GALENVS UP0050 Universal Pathogen Extraction Kit



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## IMPORTANT INFORMATION

Before first use add ethanol to wash buffers as per label instructions.

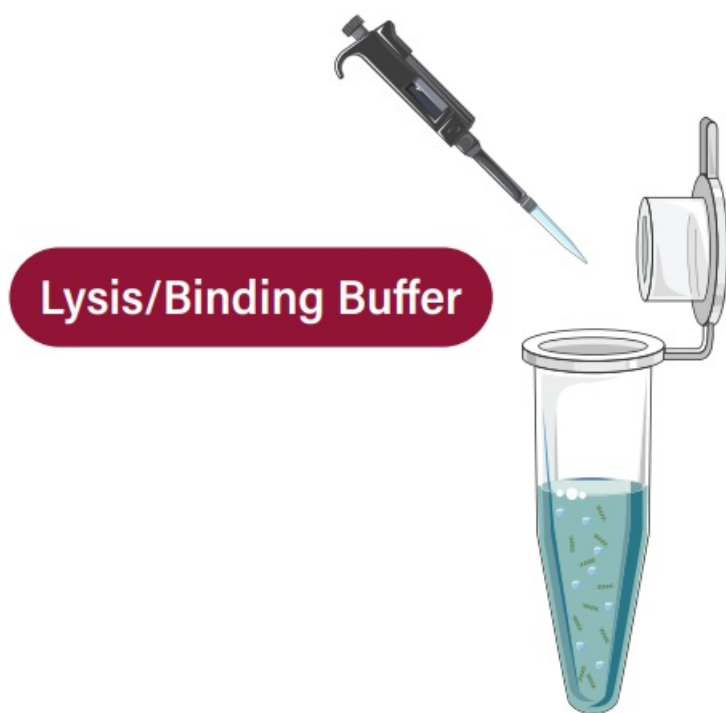
Before extraction mix bottles well by inverting upside down several times.

## USE INSTRUCTIONS

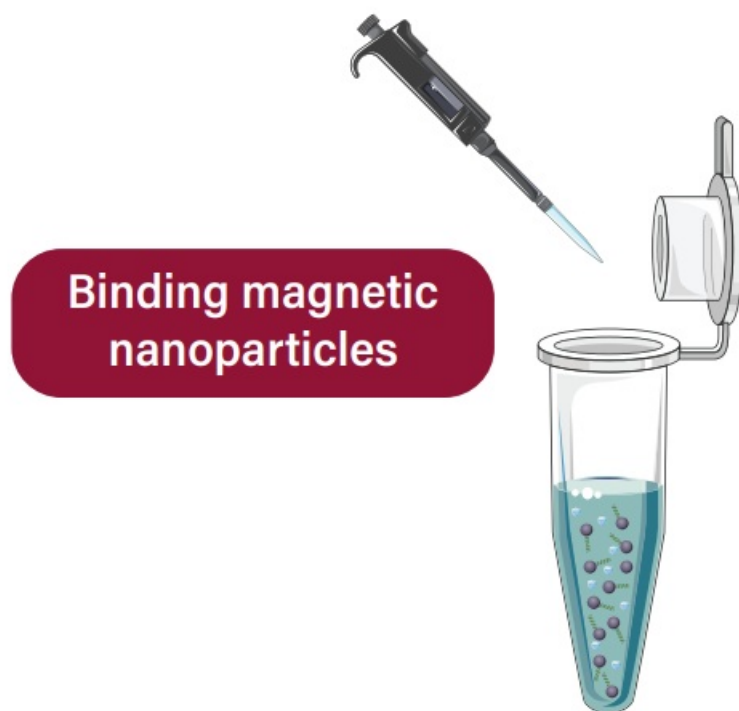
1. In 1.5ml microfuge tube, add 100 $\mu$ l–200 $\mu$ l of sample (swabs, serum/plasma, whole blood, cerebrospinal fluid (CSF), stool, sputum, exudate, urine, or saliva).



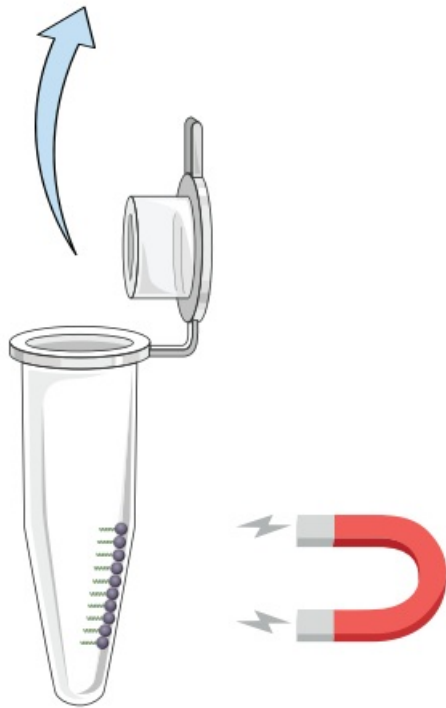
2. Add 600 $\mu$ l of Lysis/Binding Buffer Mix well by pipetting up-down 10–15x. Incubate for 5 mins.



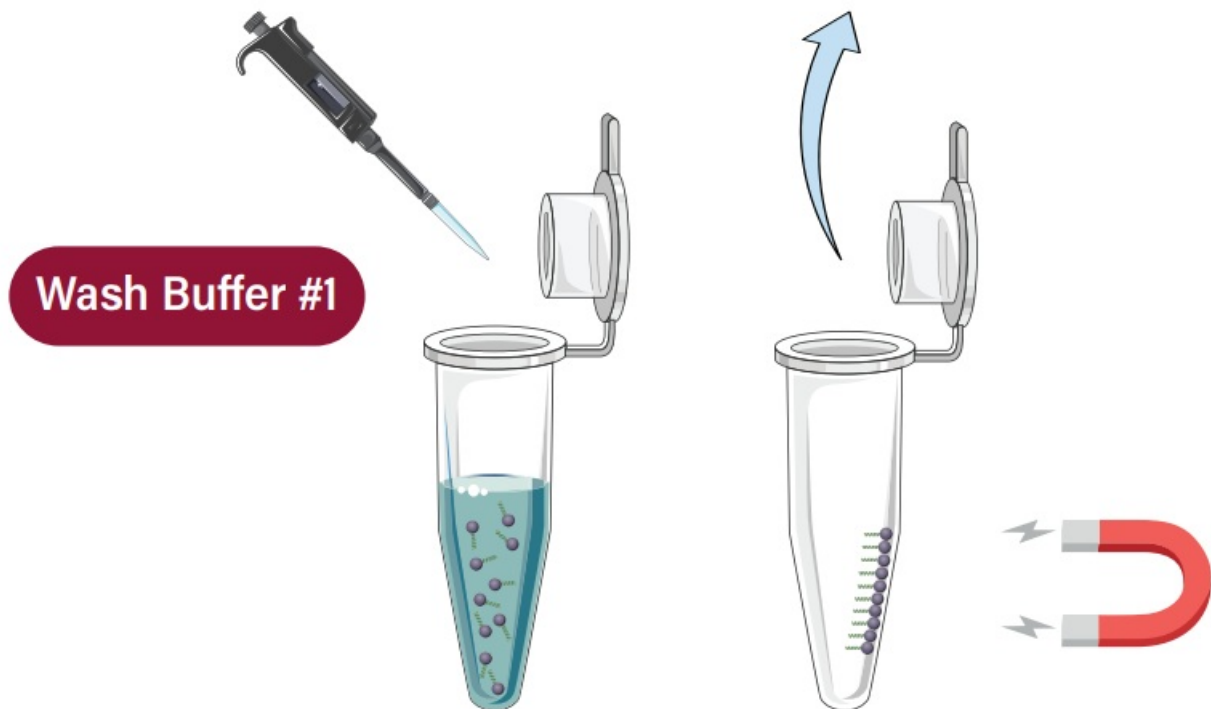
3. Add 30 $\mu$ l of binding magnetic nanoparticles. Mix well by pipetting up-down 10–15x. Incubate for 5 mins.



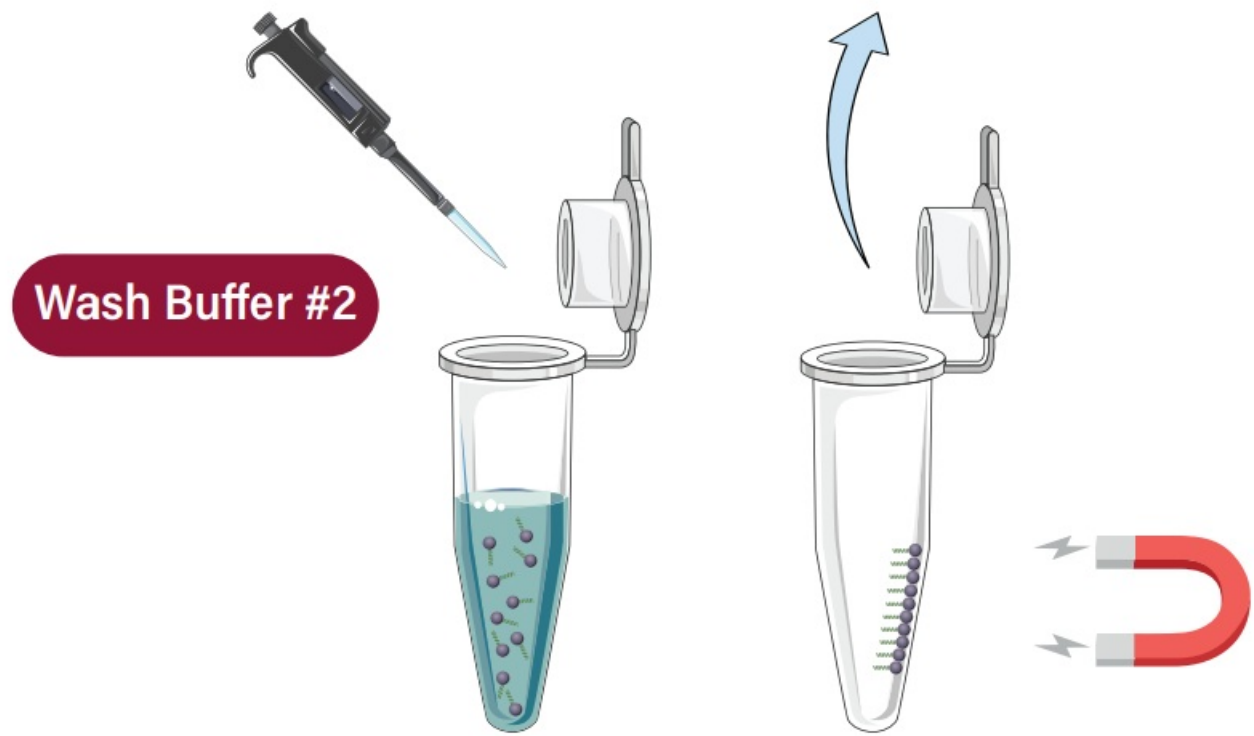
4. Place tube on magnetic rack for 1–2 mins to capture DNA/RNA-bead complex, then discard supernatant.



5. Remove tube from magnetic rack and resuspend DNA/RNA–bead complex in 600µl of Wash Buffer #1. Return to magnetic rack for 1–2 mins, then discard supernatant.



6. Repeat wash with 600µl of Wash Buffer #2, return to magnetic rack for 1–2 mins, then discard supernatant and leave to dry for 1 min.



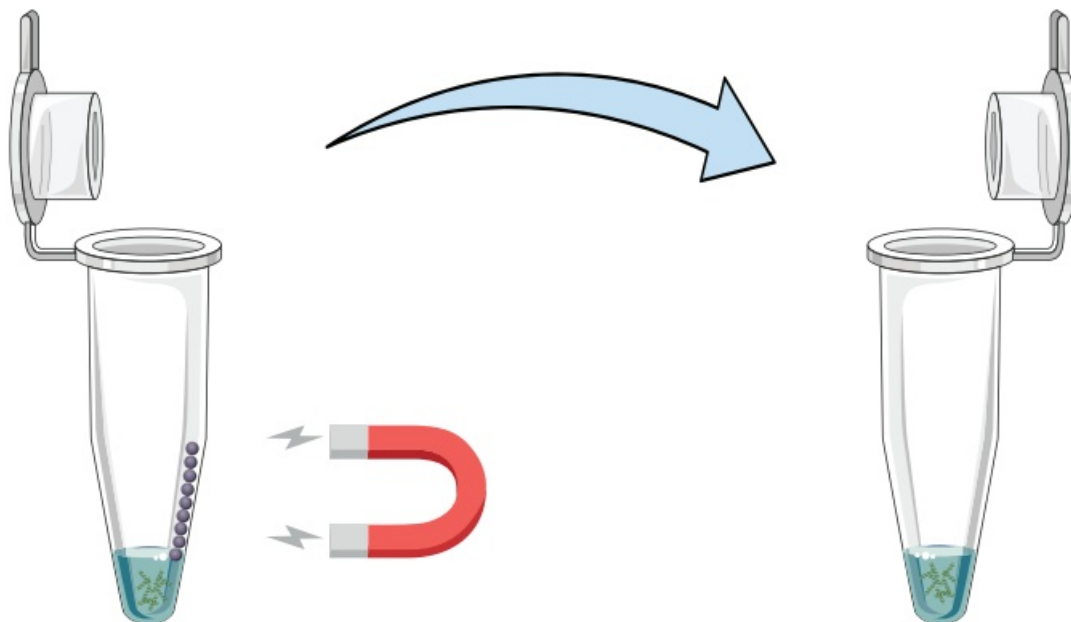
7. Remove tube from magnetic rack and resuspend DNA/RNA–bead complex in 50–100 $\mu$ l of Elution Buffer. Mix well by pipetting up-down 15–20x to elute DNA/RNA from beads and let stand for 1–2 mins.



Optional: elute at 60°C for improved yield.



8. Place tube on magnetic rack to separate beads (~1–2 mins). Transfer clean DNA/RNA solution (supernatant) to clean tube.



Universal Pathogen DNA/RNA Extraction Kit



## Documents / Resources

	<p><a href="#">GALENVS UP0050 Universal Pathogen Extraction Kit</a> [pdf] User Guide</p> <p>UP0050 Universal Pathogen Extraction Kit, UP0050, Universal Pathogen Extraction Kit, Pathogen Extraction Kit, Extraction Kit</p>
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