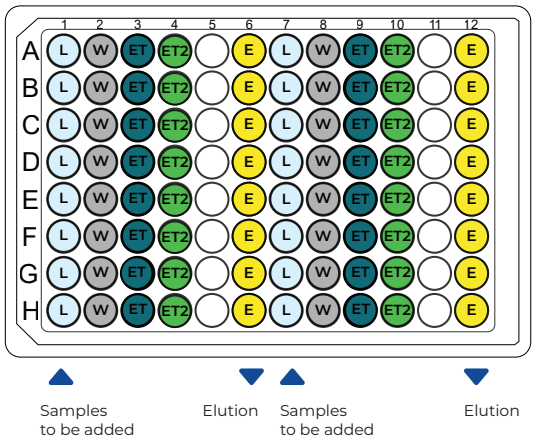
Pathogen/ Viral Nucleic Acid Isolation Kit - Instructions for use with the IsoPure16

1.Prepare Lysis-bead mix

Prepare a bulk mix of Lysis/ Binding/ proteinase K as in the table below. We suggest calculating a 10 % overage to compensate for pipetting errors and inaccuracies. Vortex the beads and proteinase K before use, and vortex the mixture before dispensing to ensure that the magnetic beads are resuspended.

Solution	Volume per sample	Volume for 16 samples
Nucleic Acid Magnetic Beads	20 µL	352 µL
Lysis Buffer B	300 µL	5.28 mL
Proteinase K	10 uL	176 µL

2. Add Reagents as in Diagram Below



L Lysis-bead mix (330µL) Columns 1 & 7

W Solution WN (1 mL) Columns 2 & 8

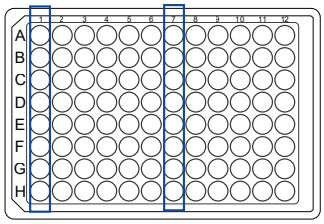
ET 80% Ethanol (1 mL) Columns 3 & 9

ET2 80% Ethanol (500µL) Columns 4 & 10

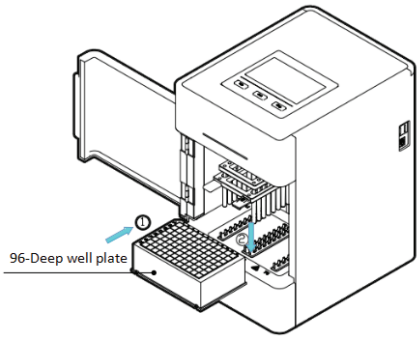
E Elution Buffer F (50-100µL) Columns 6 & 12

Leave Empty Columns 5 & 11

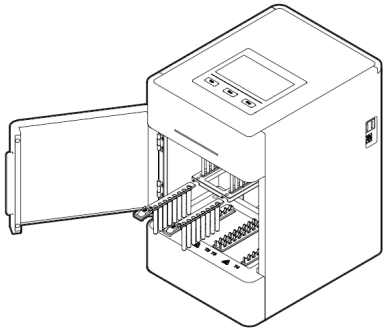
3. Add up to 16 samples to lysis binding mix (200µL).



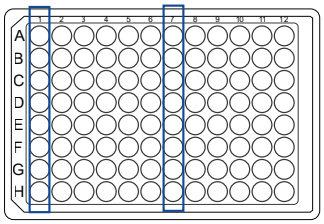
4. Place plate on machine. Ensure correct orientation.



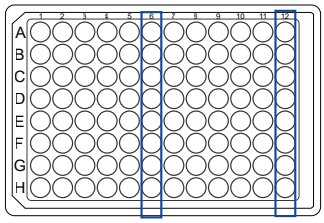
5. Insert two combs and select the protocol IsoPureVTNA. Then press "Run".



7. At pause, remove the plate & add 500 µL of 100% ethanol to the samples. Replace the plate and press "Run".



8. At the end of the run, columns 6 & 12 will contain the purified DNA/RNA elution.



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