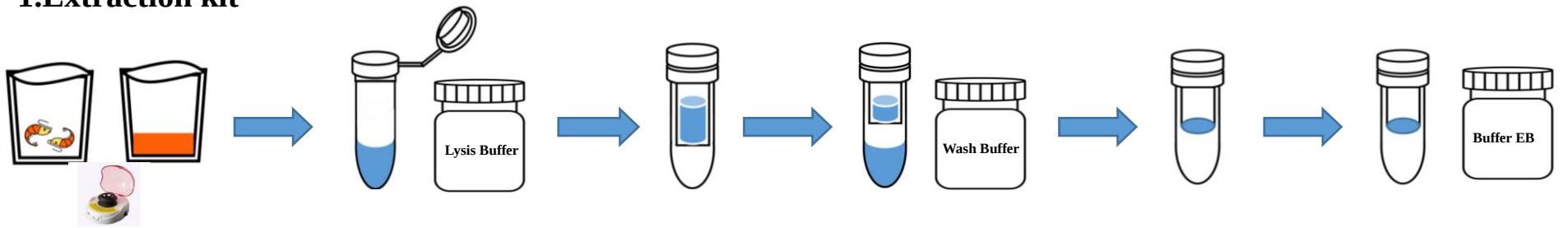
HFIVD^{R} Extraction &Detection Kit Operation flow chart

1.Extraction kit



① Put the sample into a clean lab blender bags.
② Add NS (1-3 times the volume of the sample)to the sample and grind sufficiently.
③ *Pipet 400μL~1.5mL homogenate in a clean 1.5 mL microcentrifuge tube,and centrifuge for 15~20s at 6,000~12,000rpm (when use constant speed centrifuge)or 1min at 2,000rpm(when use adjustable speed centrifuge).*
④ *Pipet 300μL supernatant in a clean 1.5 mL microcentrifuge tube.*

① Add 450μl Lysis Buffer to the supernatant ,mix by vortex mixer and incubate at room temperature for 5min.
② Centrifuge the mixture for 1 min at 12,000rpm

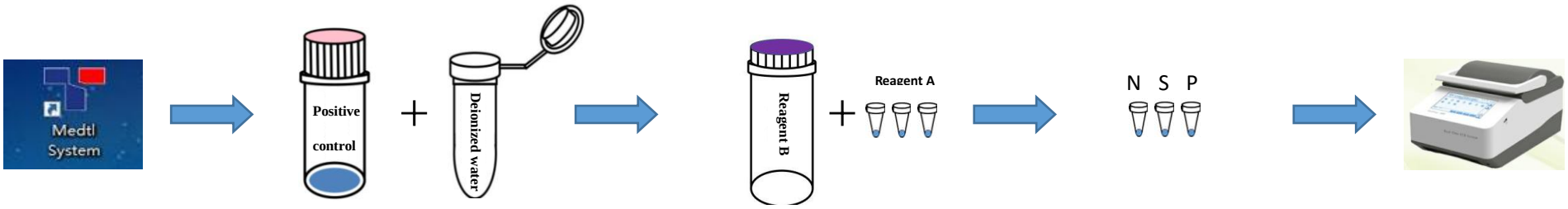
① To bind DNA/RNA, apply the mixture to the HFquick column, and centrifuge for 1min at 12,000rpm .
② Discard flow-through and place HFquick column back in the same collection tube.

① Add 700 μl of Wash Buffer to HFquick column and centrifuge for 1min at 12,000rpm .
② Discard the flow-through and centrifuge the HFquick column for an additional 3min at 12,000rpm .

Place HFquick column into a clean 1.5 ml microcentrifuge tube.

Add 30 μl Buffer EB to the center of the HFquick membrane, let the column stand for 3 min, and then centrifuge for 1 min at 12,000rpm. Store DNA/RNA .
Note：
✓ For DNA: stored at –20℃.
✓ For RNA: stored at –70℃ or –20℃ when less then 24h.

2.Detection kit



Preheate the thermocycler : set the PCR program .

Add 50μl deionized water to to the Freeze-dried Positive control DNA/RNA tube .

Add 22.5μl Reagent B to the Reagent A tube .

① Add 2.5μl negative control, positive control, and sample separately.
② Cover the tube.

① Vortexing or finger flicking, then centrifuging for 30s-1min at ≧12,000rpm to get rid of the bubble .
② Finally transfer the tubes to prheated thermocycler and start the program .