Follow QIAamp Circulating Nucleic Acid Kit (Cat. #55114)

For 1 ml

1. Pipet 100ul Proteinase K to 50ml tube
2. Add 1ml plasma
3. Add 800ul Buffer (ACL + cRNA) per tube

For 2 samples use 1.8ml ACL + 11.3ml cRNA

For 12 samples use 10.6ml + 67.5ml cRNA

1. Vortex (pulse-vortex) for 30 secs
2. Incubate in waterbathe at 60\* C for 30 minutes
3. Add 1.8ml Buffer ACB
4. Vortex (pulse-vortex) for 30 secs
5. Leave on ice for 5 minutes
6. Connect column to vacuum (can add the extender if needed0
7. Apply Lysate (step 8) to column

Turn on vacuum

Turn off vacuum when done

1. Add 600ul Buffer ACW1

Turn on vacuum

Turn off vacuum when done

1. Add 750ul Buffer ACW2

Turn on vacuum

Turn off vacuum when done

1. Add 750ul ETOH (100%)

Turn on vacuum

Turn off vacuum when done

1. Close lid on column

Place on collection tube

Then centrifuge 13,300 (14,000) rpm for 3 minutes

1. Transfer column to clean 2ml collection tube

Open lid & incubate in heat block at 56\* C for 10 minutes to dry membrane completely

1. Place column in clean 1.5ml elution tube

Add 20 to 150ul Buffer AVE (~**20-30ul**)

1. Incubate at room temperature for 3 minutes
2. Spin max speed 13,300 rpm