

(For Qualitative Detection)







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REF AME0002

KIT CONTENTS							
	AME0002-50	AME0002-100	Ingredients				
Kit Content	50 Test	50 Test					
Lysis Buffer	13 mL	25 mL	Salt and Tris-HCl Buffer				
Protease K(PK)	500 μL	1 mL	Protease K				
Wash Buffer I*	16 mL	32 mL	High-salt solution				
Wash Buffer II*	5 mL	10 mL	Low-salt solution				
Elution Buffer	10 mL	20 mL	RNase-free H2O				
Spin Columns	50	100					
Collection Tubes	50	100					
Handbook	1	1					

\* Wash Buffer I & II are concentrated. Please add 100% Ethanol as mentioned on reagents Bottles.

# **IMPORTANT NOTE**

- Wash Buffers supplied as a Concentrate. Working buffers needs to prepare before use as per label instruction.
- Store Proteinase K at -20 °C after Reconstitution.

## MATERIAL AND INSTRUMENTS REQUIRED

- Ethanol [96 100%]
- Desktop centrifuge having 13000rpm or above with a rotor for 1.5/2 ml reaction tubes
- Micro Pipettes (variables)
- Micro Pipette tips with filters (disposable)
- 5. Powder-free gloves (disposable)

# **PRODUCT USE LIMITATIONS**

- 1. All reagents may exclusively be used in molecular biology DNA/RNA applications.
- The product is to be used by personnel specially instructed and trained in Molecular biology experiments.
- Strict compliance with the user manual is required for optimal PCR results.
- Attention should be paid to expiration dates printed on the box and labels of all components. Do not use expired components.
- Wear protective disposable powder-free gloves, a laboratory coat and eye protection when handling specimens and kit components.
- Avoid microbial and nuclease (DNase/RNase) contamination of the specimens and the components of the kit.
- Always use DNase/RNase-free disposable pipette tips with aerosol barriers.
- Use separated and segregated working areas for sample preparation, reaction setup and amplification/detection activities.
- The workflow in the laboratory should proceed in unidirectional manner. Always wear disposable gloves in each area and change them before
- 10. Store positive and/or potentially positive material separated from all other components of the kit.
- 11. Discard sample and assay waste according to your local safety regulations...

# **PROCEDURE**

- Pipette mix 20µl of Proteinase K into lysis buffer into sterile 1.5ml centrifuge
- Add 250µl of Plasma/Serum/VTM/Swab [Option: If you are using Internal control template to monitor extraction efficiency, please add 5µl of Internal control template]
- Add 250µl of Lysis buffer into tube.
- Mix well by pulse vortex for 15 seconds.
- Centrifuge few seconds to bring down drops to the bottom of the tube.
- Incubate at 56 °C in for 10 min. 6
- Add 200µl of 100% Ethanol and mix well by vortex for 20seconds. Spin 7.
- down few seconds to bring down drops to bottom of the tube
  - Transfer entire of sample into the spin column. Centrifuge at 8000 rpm for 1 min. Discard the flow-through and place the column back into the same
- Add 500µl of Wash buffer-1 [Ethanol added] to the spin column. Centrifuge at 8000rpm for 1min and discard the flow-through. Place the column back into the same collection tube.
- 10. Add 500µl of Wash buffer-2 [Ethanol added] to the spin column. Centrifuge at 8000rpm for 2min and discard the flow-through. Place the column back into the same collection tube.

- 11. Discard the collection tube. Insert spin column into fresh 1.5ml micro centrifuge tube. Centrifuge at 14000 rpm for 1 min [Empty spin]. This step is essential to avoid residual ethanol. Discard the 1.5ml micro centrifuge tube.
- 12. Transfer the spin column into a fresh 1.5 ml micro-centrifuge tube.
- 13. Add 60-100 µl of Elution Buffer to the Centre of spin column membrane.
- 14. Incubate 2 minute at room temperature. Centrifuge at 8000rpm for 1 min and discard the spin column. Centrifuge tube now contains the eluted nucleic acid. Either use the directly in PCR or store at -80°C for later analysis.

Recommendation for Real-time PCR: Use 5 - 20µl of Elute

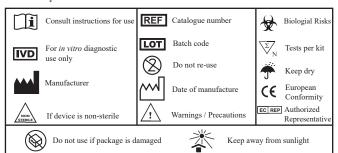
## QUALITY CONTROL

In accordance with the Aridia in house Quality Management System, each lot of Aridia viral DNA RNA kit is tested against predetermined specifications to ensure consistent product quality.

# **PERFORMANCE RESULTS**

Coded Panel		Aridia DNA/RNA Complete Extraction Kit				
True Positive (TP)	True Negative (TN)	True Positive (TP)	True Negative (TN)	False Negative (FN)	False Positive (FP)	
15	15	15	15	0	0	

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