Aridia® DNA/RNA COMPLETE EXTRACTION KIT

(For Qualitative Detection)

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

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

MATERIAL AND INSTRUMENTS REQUIRED

1. Ethanol [96 – 100%]
2. Desktop centrifuge having 13000rpm or above with a rotor for 1.5/2 ml reaction tubes
3. Micro Pipettes (variables)
4. 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.
2. The product is to be used by personnel specially instructed and trained in Molecular biology experiments.
3. Strict compliance with the user manual is required for optimal PCR results.
4. Attention should be paid to expiration dates printed on the box and labels of all components. Do not use expired components.
5. Wear protective disposable powder-free gloves, a laboratory coat and eye protection when handling specimens and kit components.
6. Avoid microbial and nuclease (DNase/RNase) contamination of the specimens and the components of the kit.
7. Always use DNase/RNase-free disposable pipette tips with aerosol barriers.
8. Use separated and segregated working areas for sample preparation, reaction setup and amplification/detection activities.
9. The workflow in the laboratory should proceed in unidirectional manner. Always wear disposable gloves in each area and change them before entering a different area
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

1. Pipette mix 20µl of Proteinase K into lysis buffer into sterile 1.5ml centrifuge tube.
2. 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]
3. Add 250µl of Lysis buffer into tube.
4. Mix well by pulse vortex for 15 seconds.
5. Centrifuge few seconds to bring down drops to the bottom of the tube.
6. Incubate at 56 °C in for 10 min.
7. Add 200µl of 100% Ethanol and mix well by vortex for 20seconds. Spin
8. 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 collection tube.
9. 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

Index of symbols

Consult instructions for use	REF Catalogue number	Biological Risks
IVD For *in vitro* diagnostic use only	LOT Batch code	Tests per kit
Manufacturer	Do not re-use	Keep dry
NON STERILE If device is non-sterile	Date of manufacture	European Conformity
	Warnings / Precautions	EC REP Authorized Representative

Do not use if package is damaged — Keep away from sunlight

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