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## DATA SHEET

<b>Cat. No:</b>	GE-009
Lot No:	
Amount:	50 purifications
Shipping:	Ambient temperature
Storage Conditions:	Room temperature for all reagents
Shelf Life:	One year from the date of manufacture
Form:	Silica columns, Buffers

## KIT CONTENTS

<b>Solution A:</b>	Lysis Buffer, 30 ml
<b>Solution W 1:</b>	Wash Buffer, 35 ml
<b>Solution W 2:</b>	Wash Buffer, 35 ml
<b>Solution E:</b>	Elution Buffer, 10 ml
<b>RNA Carrier:</b>	100 µg/µl
<b>G-spin® columns:</b>	50 pieces
<b>Collection tubes:</b>	50 pieces

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## QUALITY CONTROL STATEMENT

Passes quality control requirement:

Date, Signature:

## SHORT PROTOCOL

**NOTE:** If the sample volume is larger than 140  $\mu$ l. Increase the amount of Solution A and RNA Carrier proportionally (e.g. 280  $\mu$ l sample will require 1120  $\mu$ l Solution A and 4  $\mu$ g/ $\mu$ l RNA Carrier), use larger size 2 ml microcentrifuge tube. If the sample volume is lower than 140  $\mu$ l. Adjust the sample with phosphate-buffered saline (PBS). Do not freeze - throw RNA Carrier supplied in 5 vials, 10  $\mu$ g/ $\mu$ l each.

1. Transfer 560  $\mu$ l Solution A into a 1.5 ml microcentrifuge tube, add 2  $\mu$ l RNA Carrier;
2. Add 140  $\mu$ l sample to the tube. *Mix by pulse-vortexing for 15 s.;*
3. Incubate for 10 min at Room Temperature RT (15-25°C). *Briefly centrifuge the tube to remove drops from inside the lid;*
4. Add 560  $\mu$ l of ethanol (96–100%) to the sample, and mix by pulse-vortexing for 15 s. *Briefly centrifuge the tube to remove drops from inside the lid;*
5. Transfer 650  $\mu$ l of lysate onto a G-spin® column, centrifuge at 8 000 rpm for 1 min. *Repeat step 5 with remaining lysate until the entire lysate has passed through the G-spin® column. Discard the flowthrough or change collection tube;*
6. Wash the column with 600  $\mu$ l of Solution W 1, 8000 rpm for 1 min. *Discard flowthrough;*
7. Wash the column with 600  $\mu$ l of Solution W 2, 13 000 rpm for 1 min. *Discard flowthrough;*
8. Remove residual buffer by centrifuging at 13 000 rpm for 2 min. *Discard the collection tube;*
9. *Transfer the column onto a new 1.5 ml microcentrifuge tube;*
10. Add 50  $\mu$ l of Solution D on the column, incubate for 3 min at RT. *Take care to get the entire surface of the column hydrated;*
11. Elute RNA by spinning down at 8 000 rpm for 1 min. *Viral RNA is stable up to one year when stored at –80°C.*

## DISCLAIMER

This kit is designed for research purposes only. It is not intended for human or diagnostic use. Ensure that a suitable lab coat, disposable gloves and protective glasses are worn when working with chemicals.

## TECHNICAL SUPPORT

Contact our Technical Support Team between 9.00 -17.00 UTC Time at +995 599 374 374. Technical Support can also be obtained from our website or through emails at [info@oxgen.ge](mailto:info@oxgen.ge)