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## DATA SHEET

<b>Cat. No:</b>	GE-006
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 B:</b>	Binding Buffer, 12 ml
<b>Solution C 1:</b>	Wash Buffer, 35 ml
<b>Solution C 2:</b>	Wash Buffer, 35 ml
<b>Solution D:</b>	Elution Buffer, 10 ml
<b>Rnase A:</b>	200 µl, 12.5 mg/ml
<b>Proteinase K:</b>	1000 µl, 20 mg/ml
<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:

## PROCEDURE

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1. Place 20 µl of the Proteinase K solution into a 1.5 ml microfuge tube.
  1. Add up to 200 µl of blood sample to the tube, vortex thoroughly.
  1. Add 200 µl of Solution B, vortex thoroughly;
  1. Incubate for 15 min at 56°C, vortex periodically 5 min intervals.
  1. Cool down to Room Temperature (RT)
  1. Optional: If RNA-free genomic DNA is required, add RNase 4 µl (12.5mg/ml), mix by vortexing, and incubate for 2 min at room temperature
  1. Add 200 µl cold Ethanol 96-100% and mix. (Ethanol has to be supplied by user).
  1. Pipet all mixture onto the G-spin® column, centrifuge at 8 000 rpm for 1 min. *Discard the flow-through*
  1. Add 600 µl Solution C1, and centrifuge at 8 000 rpm for 1 min. Discard the flow-through.
  1. Add 600 µl Solution C2, and centrifuge at 13 000 rpm for 3 min. Discard the flow-through.
  1. Transfer the column onto a new 1.5 ml microfuge tube.
  1. Leave the G-spin® column open at RT for 1 min, for evaporation of Ethanol.
  1. Add 50 µl of Solution D on the column, incubate for 5 min at RT. Take care to get the entire surface of the column hydrated.
  1. Elute DNA by spinning down at 8 000 rpm for 2 min. DNA is stable for 2 weeks at 4°C; 6 month at -20°C and one year at -80°C.
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## 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)