# Data sheet

### **Blood Genomic DNA Extraction Kit**

(Isolation of DNA from 200 µl – 2ml Whole Blood)

#### Cat. No: AN0043

150 reactions if processing 200 μl blood samples 15 reactions if processing 2 ml blood samples.

#### Description

Blood Genomic DNA Extraction kit is a simple and rapid method for high-quality genomic DNA purification from various sources, including: whole blood, buffy coat\* and cultured cells\*.

The procedure includes: lysis, protein removal, DNA precipitation, washing and hydration.

\*Extraction protocols are available at the Canvax Biotech website.

#### **Features**

- **Safe**: no phenol-chloroform extraction.
- Efficient: 3-6 µg of genomic DNA from a 200 µl blood sample (30-90  $\mu$ g of genomic DNA from a 2 ml).
- Ready to use genomic DNA, in all molecular biology applications.

#### **Applications**

High molecular weight genomic DNA purified with the kit is suitable for direct use in all common molecular biology applications: PCR, cloning, DNA sequencing, Southern blot analysis, etc.

#### **Kit Components**

Item	AN0043
S1 Buffer	2x60 ml
S2 Buffer	36 ml
S3 Buffer	12 ml
Proteinase K*	30 mg
EB Buffer	10 ml

#### **Kit Storage:**

Store the kit at room temperature. If any kit reagent forms a precipitate, warm at 55-65 °C until the precipitate dissolves, and allow to cool to room temperature before use.

\*Dissolve Proteinase K in water (1.5 ml) to obtain a 20 mg/mL stock solution. The Proteinase K solution can be stored for several days at 2-8 °C. For longer-term storage, the unused portion of the solution may be stored in aliquots at -20 °C until needed. This product as supplied is stable at room temperature.

#### **Quality Certifications**

Blood Genomic DNA Extraction kit is tested on a lotto-lot basis by isolating total DNA from 200µl of whole human blood. DNA purified is analysed by:

- Spectrophotometer: Ratio 260/ 280 (1.6-1.8)
- Agarose gel electrophoresis.

#### Distributed by:



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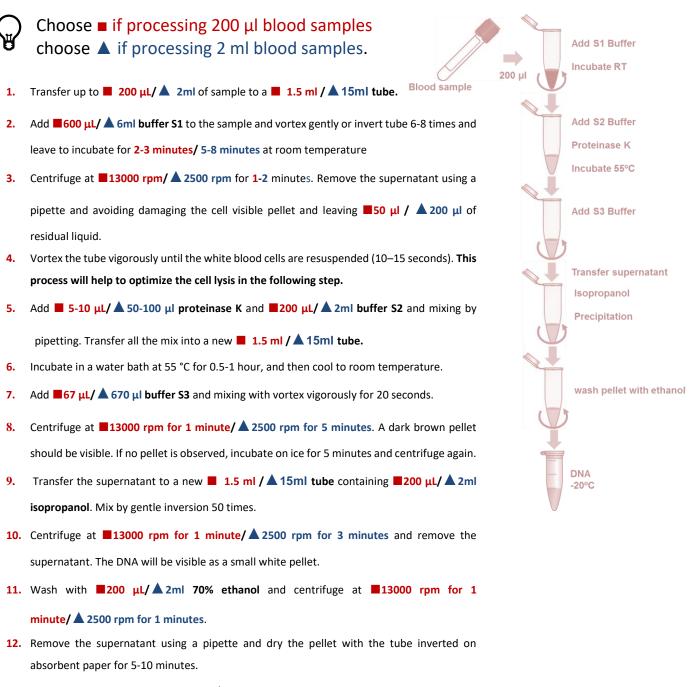
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## *C***αΝναX**

### **DETAILED PROTOCOL**



- 13. Resuspend the DNA adding 65 μL / Δ 200μlof Buffer EB.
- 14. Store DNA at -20 °C.

#### **PRODUCT USE LIMITATION**

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for Material Safety Data Sheet of the product.

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