

GeneAll[®] Exgene Blood SV Kit

DNA Isolation from **blood** samples



Introduction

With the rapid development of molecular biology, being able to prepare genomic DNA from whole blood with intact and high purity is first crucial step for basic science research and in the clinical setting.

The method you choose for whole blood DNA isolation impacts not only successful results but also the ease of your molecular biology workflow.

Exgene Blood SV kit adopted a quick and easy spin column method is the one that provides you with the best quality DNA easily and quickly from whole blood in 20 minutes.

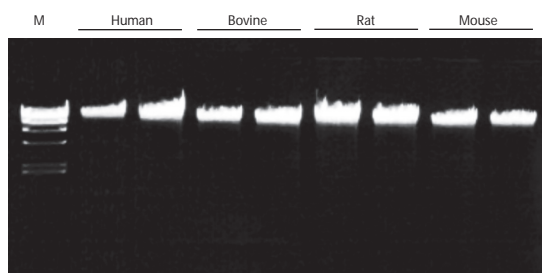
Feature

- Sample sources include: whole blood, body fluid, buffy coat, serum, plasma, saliva, sperm, DNA virus, Nucleated blood, cultured cells, buccal swab, and Hair
- Accurate and consistent DNA extraction from fresh, even aged or frozen blood, and with any common anticoagulant, such as heparin, or dried EDTA
- Fast, safe and simple procedure completed in 20 minutes (mini), 1 hour (Midi, MAXI)
- Three sizes of kit are available for processing a total of ~200 µl (mini), 1~2 ml (Midi) and 3~10 ml (MAXI) of blood.
- Ready for use in PCR, southern blotting and other enzymatic reactions

Comparison Table

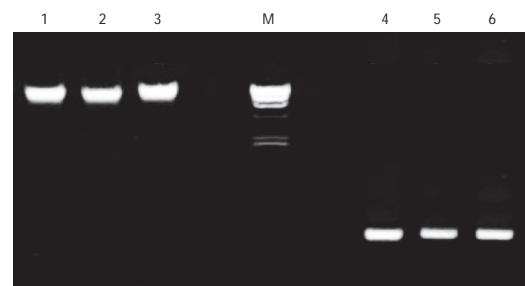
BRAND	GeneAll	Company A	Company B
Format	Spin / Vacuum	Spin / Vacuum	Spin
Sample types	Whole blood, body fluid, buffy coat, serum, plasma, saliva, sperm, DNA virus, Nucleated blood, cultured cells, buccal swab, hair	Whole blood, body fluid, buffy coat, serum, plasma, cultured cells, tissue, forensic specimens	Whole blood, body fluid, serum, plasma, cultured cells
Typical yield	4~20 µg	4~12 µg	4~6 µg
PREP.TIME	20 min	20~40 min	≤30 min

DNA Extraction from Various Samples



Total DNA was isolated from 200 µl of whole blood of various species using Exgene[™] Blood SV mini kit. Each lane represents 8 µl of 100 µl eluates.
Lane M : Lambda-HindIII

PCR Amplification



PCR reaction was performed with purified DNA using Exgene[™] Blood SV kit as template. Each lane 1, 2 and 3 corresponds to the template of each PCR product (Lane 4, 5, 6). Template DNA was isolated from whole blood of rat (SD) and the exon region of GAPDH gene was amplified with Taq polymerase.