

GREES DNA KIT BLOOD

General Rapid Easy Extraction System DNA Kit

Universal kit for the genomic DNA extraction from blood samples

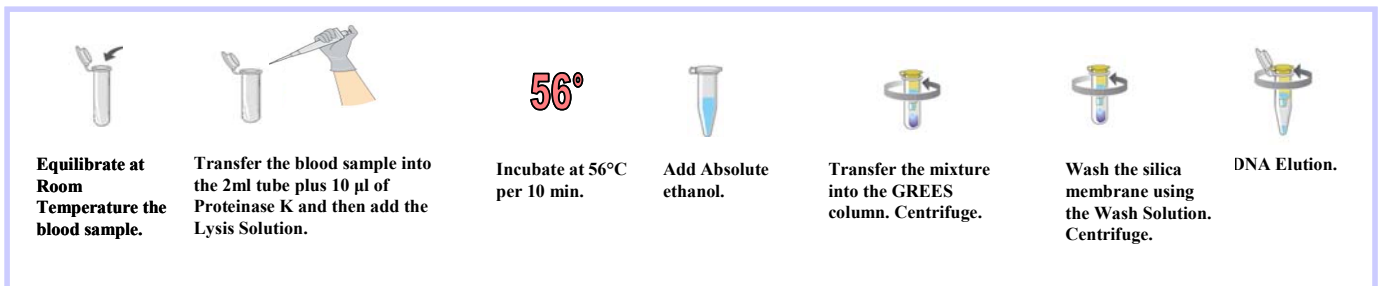
Product code: IC-02-0099 (50 extractions)

Introduction

GREES (General Rapid Easy Extraction System) DNA Kit BLOOD, is a simple and convenient method to isolate genomic DNA from blood samples. The kit is suitable for blood samples treated with the most common anticoagulants as EDTA, citrate, heparin.

GREES DNA kit BLOOD combines the advantages of a silica membrane-based system to the mini format, thus eliminating the need of large volumes solutions.

An illustrative work scheme:

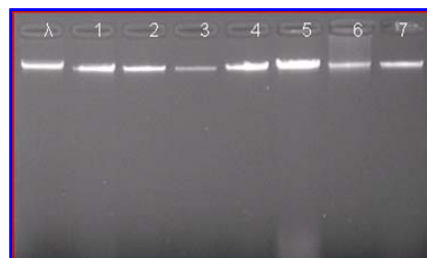


Technical features

| | |
|--------------------------|--|
| Number of tests | 50 extractions |
| Kit content | Lysis Solution, Wash Solution, Elution Solution, lyophilized Proteinase K, Solution for Proteinase K, 2ml tubes for lysis and GREES columns. |
| Functionality | the extraction kit is able to isolate genomic DNA suited to PCR, PCR Real Time analysis and other techniques DNA-based (Pictures 1 and 2). |
| Sample Volume | 200µl. The DNA recovered with GREES DNA BLOOD Kit has an A260/A280 between 1.7 and 1.9 and a concentration variable from 20 to 50 ng per µl, with a final total yield varying from 4 to 10 µg. |
| Time of execution | approximately 30 minutes for 10 samples. |



Picture 1: Enzymatic digestion of DNA extracted from human blood samples by GREES DNA Kit BLOOD. Visualization on 1% agarose gel
Marker 1kb; 1) 300ng not digested DNA; 2) 300ng DNA digested with EcoRI O/N; 3) 300ng DNA digested with EcoRI and SacI O/N; 4) 100ng λ DNA.



Picture 2: Genomic DNA purified from blood samples by GREES DNA Kit BLOOD. Visualization on 1% agarose gel
λ) 100ng λ DNA ; 1) not frozen human blood in ACD; 2) not frozen human blood in EDTA; 3) frozen human blood in ACD; 4) not frozen bovine blood EDTA; 5) frozen swine blood in EDTA; 6) frozen avicultural blood in EDTA; 7) frozen canine blood in EDTA.