



CiS-DNA Blood Genomic DNA Kit Datasheet

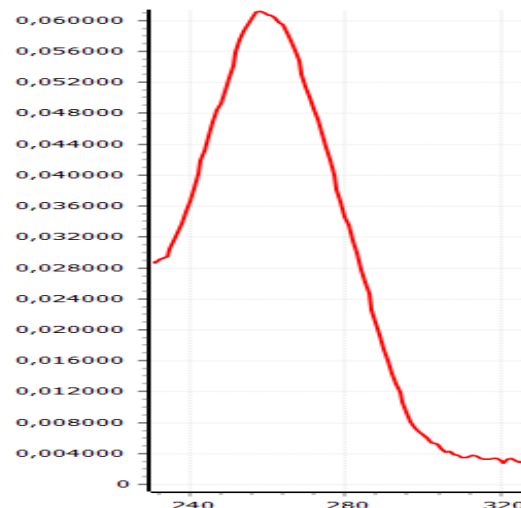
Cat DB0116-10, DB0116-50, DB0116-100, DB0116-250

CiS-DNA Blood Genomic DNA kit has been designed for laboratory staff to prepare high-yield, pure, and intact DNA from whole blood of any Mammalia, Pisces, Reptilia, Amphibia, and Aves species without using hazardous chemicals (phenol, chloroform, acid, etc.).

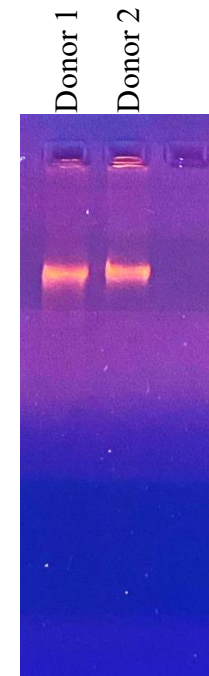
CiS-DNA Blood Genomic DNA mini kit can extract DNA from fresh blood samples stored in EDTA- or heparin-treated blood collection tubes at 4 °C or frozen blood samples. EDTA or heparin treatment increase extraction yield. However, DNA integrity and yield can be reduced when more than 3 days old blood samples are used for extraction process.

DNA purified using CiS-DNA Blood Genomic DNA kit procedure is free of protein contamination as an RNase digestion and a proteinase digestion were applied before the NBB Buffer lysis/binding step.

Average DNA yields are 4-6 µg DNA in 80-100 µl final eluate obtained from 200 µl whole blood.



A_{260}/A_{230} : 1.8-2.0
 A_{260}/A_{280} : 1.7-1.9
(Dilution: 1:50)



DNA from different donors' RNase-treated blood samples were run on agarose gel (0.75%, 0.5 X TBE buffer)

Caution: Please pay attention to wearing a lab coat, gloves, and protective goggles.

CiS-DNA spin-columns and buffers can be stored at room temperature for at least one year. However, lyophilized proteinase K and RNase A should be stored at 4 °C. After reconstitution, please keep the enzyme solution only at 4 °C and avoid to keep longer at room temperature.