

Blood DNA Isolation Kit



For the rapid preparation of high quality DNA from whole blood



- ✓ Rapid and easy spin column purification methods
- ✓ Process from 1 μ L to 10 mL blood samples
- ✓ No phenol required for DNA isolation
- ✓ DNA is ready for any downstream application including PCR, qPCR, Sequencing and Southern Blotting

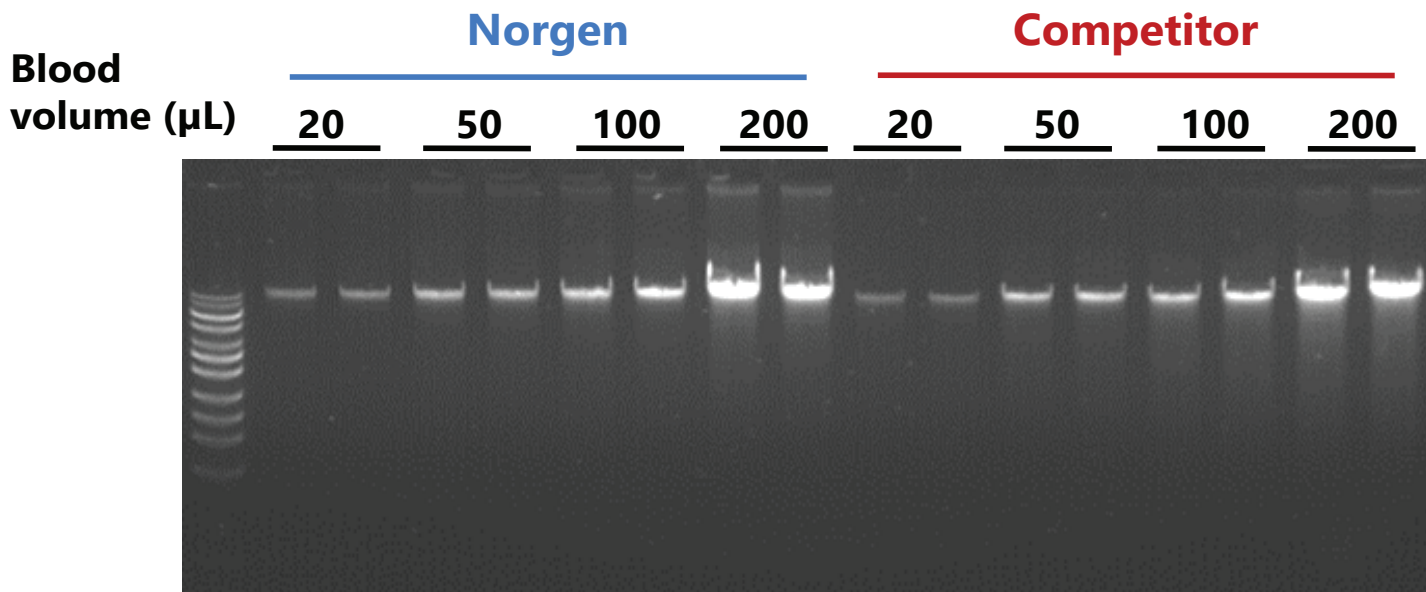


Figure 1. High Yields of DNA Isolated from 20 μ L to 200 μ L of Whole Blood. DNA was isolated from 20, 50, 100 and 200 μ L of whole blood using Norgen's Blood DNA Isolation Mini Kit and a leading competitor's kit. Following isolation, 15 μ L from each 200 μ L elution was loaded on 1% TAE agarose gel. Norgen's Blood DNA Isolation Mini Kit demonstrated a better DNA yield than the leading competitor's kit. Lane M: Norgens UltraRanger 1kb DNA Ladder.

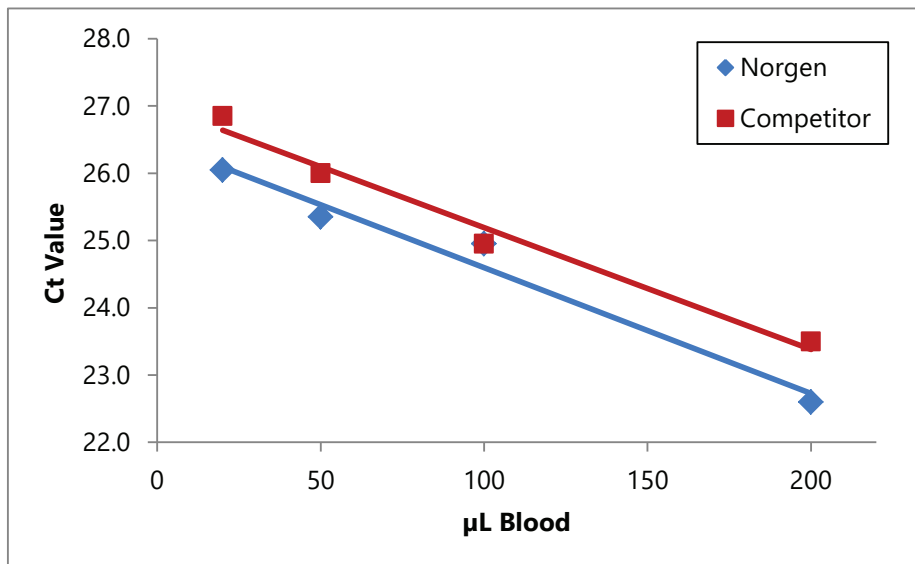


Figure 2. Purified DNA Can be Amplified in a Real-time PCR (TaqMan) Reaction. DNA was isolated from 20, 50, 100 and 200 µL of whole human blood using Norgen's Blood DNA Isolation Mini Kit (Blue) and a leading competitor's kit (Red). Nine µL of the DNA from each 200 µL of elution was used in a real-time PCR reaction (total reaction volume of 20 µL) with GAPDH TaqMan probe and primers. The real-time PCR was successful in amplifying the GAPDH gene, with a linear decrease in Ct value with the increase in blood input volume, indicating that the DNA is of a high quality and can be used in sensitive downstream applications. Furthermore, Norgen isolated DNA was amplified with a lower Ct value from the different blood input volumes, indicating the higher yield and purity of DNA isolated using Norgen's kit.

Select Publications

Publication Title	Authors	Journal	Year
A new nucleotide variant G1358A potentially change growth differentiation factor 9 profile that may affect the reproduction performance of Friesian Holstein cattle	Afifi Inayah, Sri Rahayu, Nashi Widodo, Widya Ayu Pradini	Asian Pacific Journal of Reproduction	2016
Malaria in children of Tshimbulu (Western Kasai, Democratic Republic of the Congo): epidemiological data and accuracy of diagnostic assays applied in a limited resource setting	Gabrielli S, Bellina L, Milardi GL, Katende BK, Totino V, Fullin V, Cancrini G	Malaria Journal	2016
Screening for genetic mutations in LDLR gene with familial hypercholesterolemia patients in the Saudi population	Alharbi KK, Kashour TS, Al-Hussaini W, Nbaheen MS, Hasanato RM, Mohamed S, Tamimi W, Khan IA	Acta Biochimica Polonica	2016

Ordering information

Description	Size	Cat. Number
Blood DNA Isolation Mini Kit	50 preps	46300
Blood DNA Isolation Mini Kit	100 preps	46380
Blood DNA Isolation Midi Kit	20 preps	51400
Blood DNA Isolation Maxi Kit	12 preps	31200
Dried Blood Spot (DBS) DNA Isolation Kit	50 preps	36000
Blood DNA Isolation Kit (Magnetic Bead System)	50 preps	59800
Blood DNA Isolation 96-Well Kit (Magnetic Bead System)	2 x 96-well plates	62600
Blood DNA Isolation 96-Well Kit	2 x 96-well plates	46350

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