DNAgard Blood

STABILIZE DNA.

Collect & Transport Whole Blood at Room Temperature

Clinical research studies often require blood sample collection at multiple geographic sites under a wide range of conditions. DNAgard® Blood is designed for the immediate stabilization of DNA in blood with the convenience of room temperature processing and shipping. The aqueous storage reagent rapidly permeates cellular structures and membranes to stabilize and protect genomic DNA. The use of DNAgard Blood allows a streamlined workflow from blood collection in the clinic or field to sample processing in the laboratory.

Easy handling and shipping

No dry ice required

Ideal for field collection

High-quality DNA

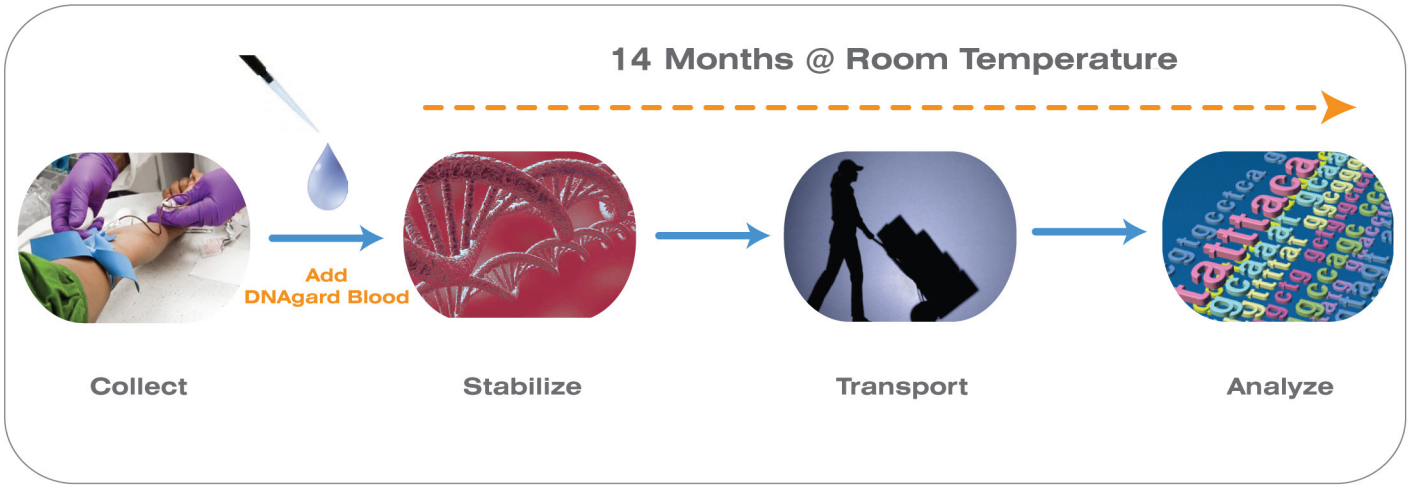
Compatible with different extraction techniques

Compatible with all downstream analysis

Features & Benefits:

- **Sample Integrity:** Maintain blood under optimal conditions
- **Consistency:** From site to site & from sample to sample
- **Efficiency:** Room Temperature handling and shipping
- **Quality** recovered DNA

Technology Overview



Biomatrica
THE BIOSTABILITY COMPANY

DNA gard

Stabilization of blood DNA at Room Temperature - Convenient Shipping

DNAgard Blood rapidly mixes with blood and penetrates cells to stabilize and protect genomic DNA for at least **8 months** at room temperature (Figure 1).

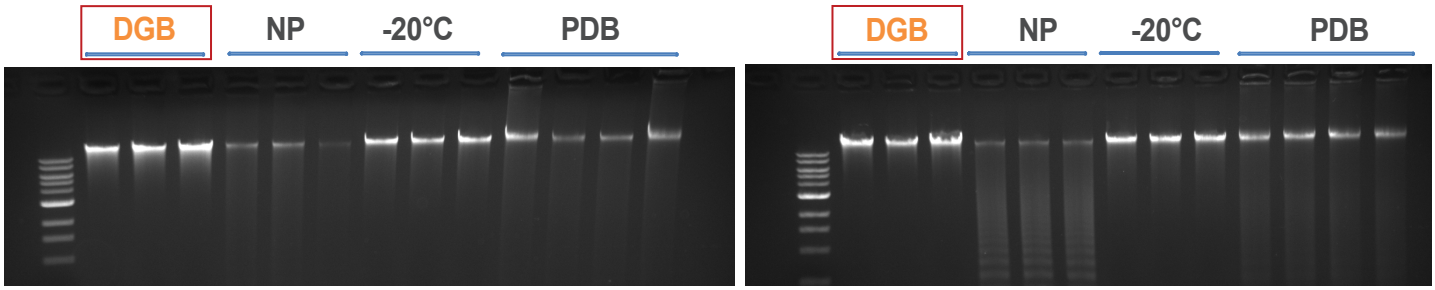
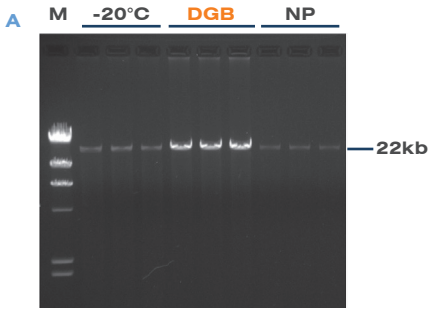
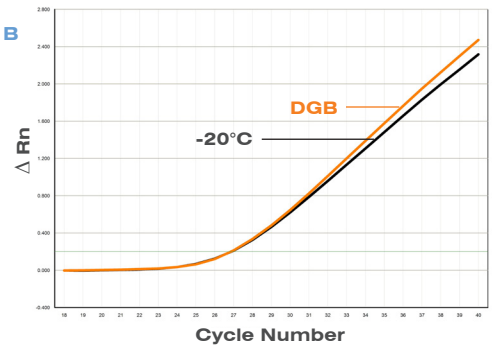


Figure 1. DNAgard Blood preserves DNA in whole blood for 8 months. Gel images of isolated genomic DNA from blood samples from 2 donors stored for 8 months at room temperature in DNAgard Blood (DGB), non-protected (NP), and PAXgene DNA Blood (PDB), and at -20°C (control).

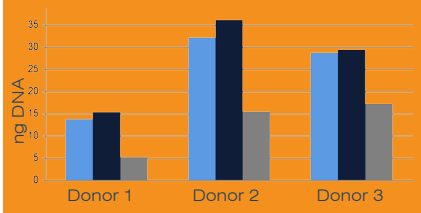
Broad range of downstream applications

DNA protected using DNAgard is suitable for use in many downstream applications, such as long-range PCR, real time PCR, genotyping, etc.





Representative DNA yields*



*qPCR quantification after 1 month storage of blood, from 3 different donors, in DNAgard Blood ■, in competitor's stabilizer ■ at Room Temperature or at -20°C ■.

Figure 2 A. Successful Long-range PCR after 2 months storage. Genomic DNA isolated from human whole blood stored for 60 days in DNAgard Blood (DGB), non-protected (NP) or frozen at -20°C. Long-range PCR amplification of a 22 Kbp amplicon was performed on the DNA (M = 1 kb ladder).

Figure 2 B. Real-time PCR after 1 month storage. Genomic DNA isolated from human whole blood stored for 30 days in DNAgard Blood (DGB) or frozen at -20°C was quantified using real-time PCR amplification of the β-actin gene.

Ordering information:

call 866-379-6879, email contact@biomatrica.com, or visit www.biomatrica.com

Product	Cat. No.	Contents
DNAgard Blood, 10 mL	62501-026	DNAgard reagent 10 mL (stabilizes at least 40mL of blood)
DNAgard Blood, 50 mL	62501-036	DNAgard reagent 50 mL (stabilizes at least 200mL of blood)
DNAgard Blood, 100 mL	62501-046	DNAgard reagent 100 mL (stabilizes at least 400mL of blood)

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