

RNAgard Blood System

PRESERVE RNA INSTANTLY.

Collect, Preserve, and Purify RNA in Whole Blood Samples at Room Temperature

The RNAgard® Blood System is an integrated solution for the collection, preservation and purification of RNA from whole blood samples at room temperature. The preservative contained in the VACUETTE® RNAgard Blood Tubes rapidly permeates cells to stabilize and protect RNA instantly in whole blood samples. Preservation is effective for up to 14 days at room temperature, and up to 1 month at 4°C. The accompanying BioMaxi™ Blood RNA Purification Kit provides a simple, convenient and effective spin column method to isolate total RNA.

Standard venipuncture collection

Preserve and maintain sample integrity for up to 14 days at 18-25°C

Compatible with multiple downstream analyses

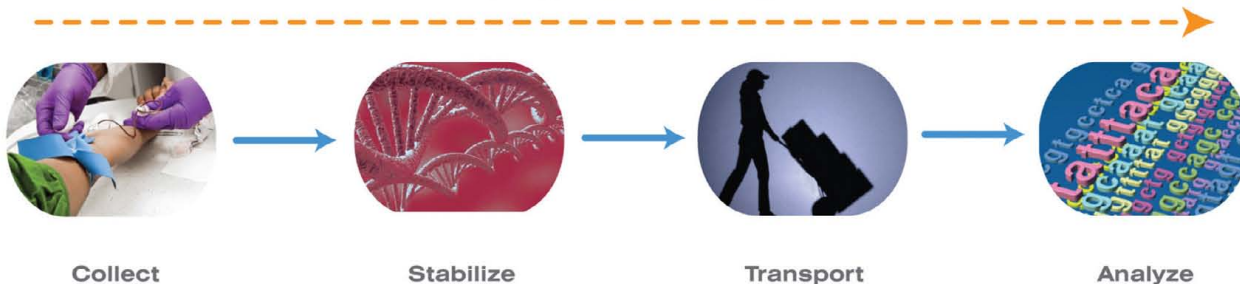
Features & Benefits:

- **Sample Integrity:** Maintain blood under optimal conditions
- **Consistency:** From site to site & from sample to sample
- **Efficiency:** Room Temperature collection, handling and shipping
- **Quality:** High quality RNA recovery



Technology Overview

14 Days @ Room Temperature



Collect


Stabilize

Transport

Analyze

This product is for Research Use Only. Not for use in diagnostic procedures.

Available in Canada from...



1-888-593-5969 • www.biolynx.ca • tech@biolynx.ca



RNA integrity and yield after 14 days at room temperature

The stabilizing reagent in RNAgard Blood Tube rapidly mixes with blood and penetrates cells to stabilize and protect RNA for at least **14 days** at room temperature (Figure 1).

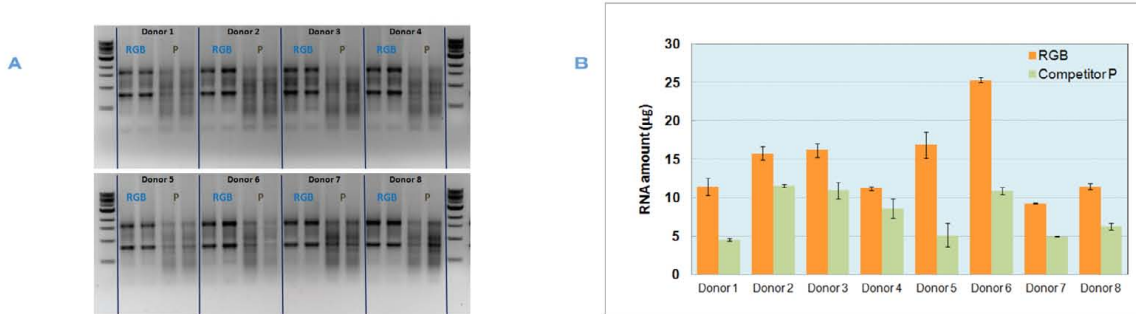


Figure 1. RNAgard Blood Tube instantly preserves RNA in whole blood.

Multiple donor comparison of RNAgard Blood Tubes (RGB) versus Competitor P (P) after 14 days of ambient temperature storage.
A. 200ng of RNA is visualized on a 1.2% agarose gel. BioMaxi Blood RNA Purification kit was used for isolating RNA from RNAgard Blood Tubes. **B.** RNA yield analyzed by UV spectroscopy. RNA amounts are for whole tube (2.5 ml blood) isolation.

Stability of specific RNA transcripts isolated with RNAgard Blood System

RNA stability in blood samples stored at room temperature for 14 days (Figure 2).

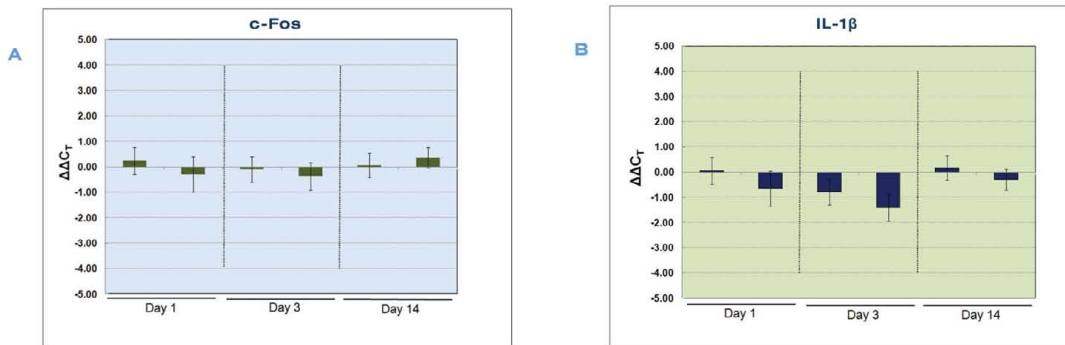


Figure 2. RNAgard Blood Tube maintains unaltered gene expression for 14 days at 18-25°C.

Blood from 2 healthy donors was collected in RNAgard tubes and purified with BioMaxi after the indicated storage time. Gene expression of C-Fos (A) and IL1-β (B), normalized to 18S rRNA, was determined by qPCR at the indicated storage time, relative to day 0 samples.

High quality total RNA

Fast and easy RNA purification

Does not require phenol/chloroform



Product	Cat. No.	Contents
RNAgard Blood System	45201-000	(50) RNAgard Blood Tubes with a pre-fill stabilizer for up to 2.5ml of whole blood per tube. (1) BioMaxi Blood RNA Purification Kit (50 preps)
VACUETTE RNAgard Blood Tube, 50-pack	62201-131	(50) RNAgard Blood Tubes with a pre-fill stabilizer for up to 2.5ml of whole blood per tube.
VACUETTE RNAgard Blood Tube, 1200-pack	62201-141	(1200) RNAgard Blood Tubes with a pre-fill stabilizer for up to 2.5ml of whole blood per tube.
BioMaxi™ Blood RNA Purification Kit	64201-601	(1) BioMaxi Blood RNA Purification Kit (50 preps)

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BioLynx
INC.

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www.biolyx.ca • tech@biolyx.ca

