



## TRUE BLOOD RNA LEVELS

# DRD Blood

- **High-quality whole blood RNA stabilization**  
A reliable solution, validated and CE marked for clinical use, with no compromises on RNA integrity for downstream applications.
- **Innovative technology**  
DRD Blood leverages the latest advancements in stabilization without limitations seen in other products. Several third-party downstream RNA extraction workflows are compatible with DRD Blood.
- **Cost-effective solution**  
Belgian-engineered, top-quality RNA preservation.



Download  
instructions for use

With the growing demand for blood-based gene expression analysis in research and clinical studies, ensuring RNA integrity in blood samples is more important than ever. DRD Blood is a solution designed to preserve RNA at the highest quality levels - bringing you robust data you can trust.

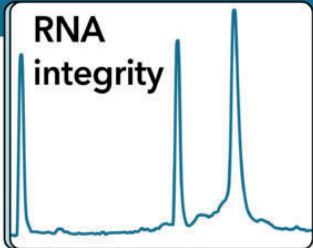
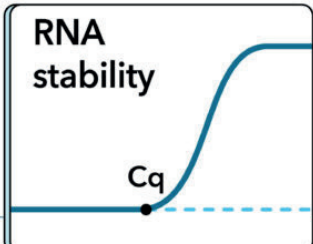
## Why choose DRD Blood?

DRD Blood is the ultimate choice for scientists and clinicians focused on accuracy and sensitivity in whole blood RNA analyses. Our product offers:

- **Exceptional RNA integrity** Maintains RNA quality with high RIN values, ensuring your samples are suitable for high-level molecular analyses.
- **Room temperature stability** Achieve up to 3 days of RNA stability at ambient temperatures or 30 days at +4 °C, reducing the need for immediate freezing or processing.
- **Three versatile collection options, one of them now CE-IVDR marked!**
  - venous blood draw (1 mL): ideal in the clinical setting by a healthcare professional (CE IVDR)
  - capillary collection (50 µL): perfect for self-collection, home-based studies, or use with children and elderly patients. (see RUO product range)
  - transfer from classic EDTA or citrate tube: transfer 50 µL of blood immediately to a microtube with stabilizing buffer. (see RUO product range)
- **Outstanding RNA yield** Provides up to 0.5 µg of high-quality RNA from just 50 µL of blood.

## Convenient stabilization of whole blood RNA

Achieve up to 30 days of RNA stability at 4 °C or 3 days at ambient temperatures, reducing the need for immediate processing or freezing.

|  | 4 °C    | 25 °C  |
|--|---------|--------|
|  <b>RNA integrity</b> | 14 days | 1 day  |
|  <b>RNA stability</b> | 30 days | 3 days |



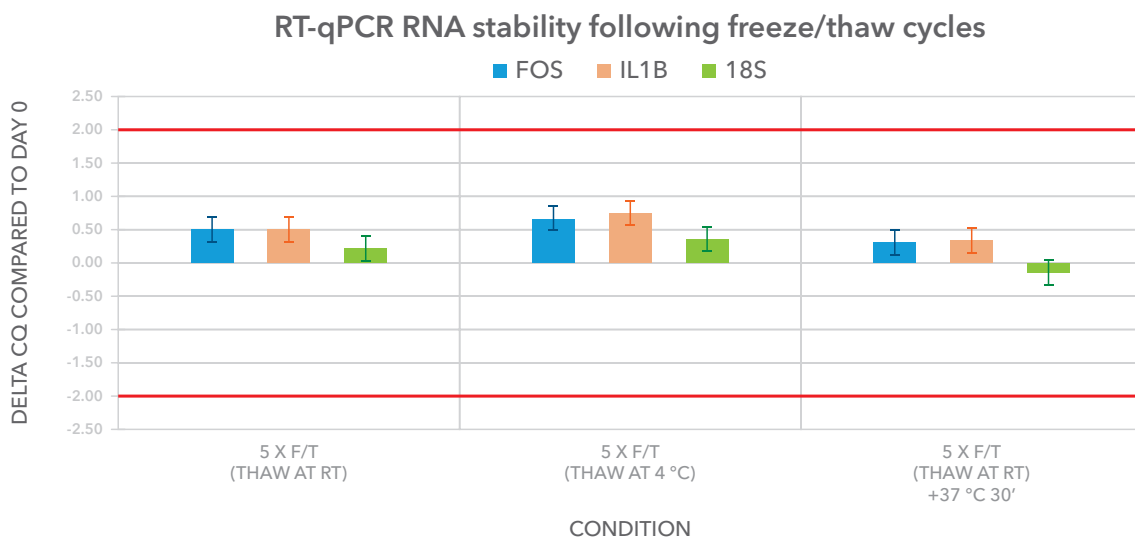
“Aging is one of the major challenges of the 21st century. Including blood RNA analysis is a pivotal advancement for our large-scale population study. It enables molecular-level insights essential to unraveling the mechanisms behind healthy aging. The RNA-stabilizing blood tube from InActiv Blue offers innovative technology that supports our goals, ensuring high-quality samples for robust research outcomes.”

*Prof. M. De Boevre*

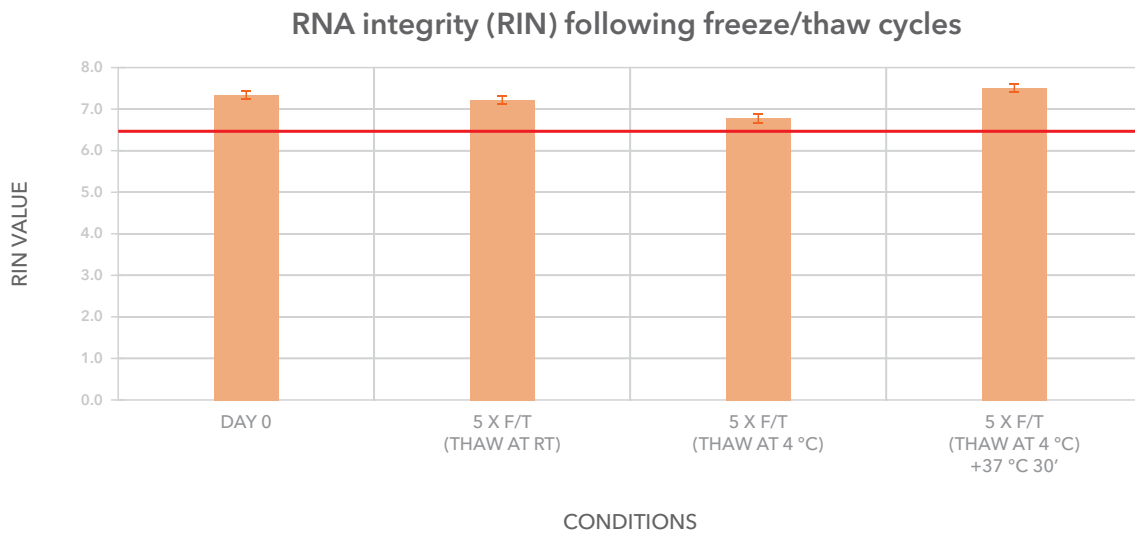
coordinator of GLORIA-GEZONDHEIDSMONITOR study

## Excellent freeze-thaw stability

In a freeze/thaw study including multiple donor blood samples, we demonstrated excellent RNA stability for the three target genes tested and a consistent RNA integrity. Test conditions included thawing at room temperature, thawing at 4 °C, and a worst-case condition, where samples were additionally exposed to 37 °C following the fifth thaw cycle.



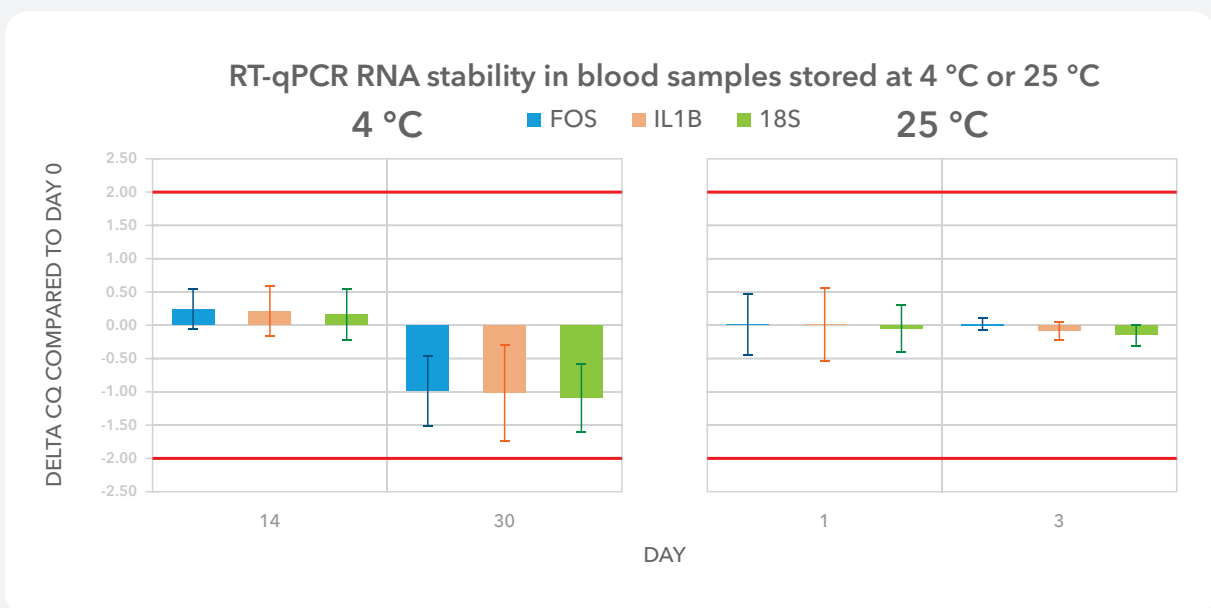
**Figure 1:** Graphical presentation of freeze-thaw stability of whole blood samples stored in DRD Blood™



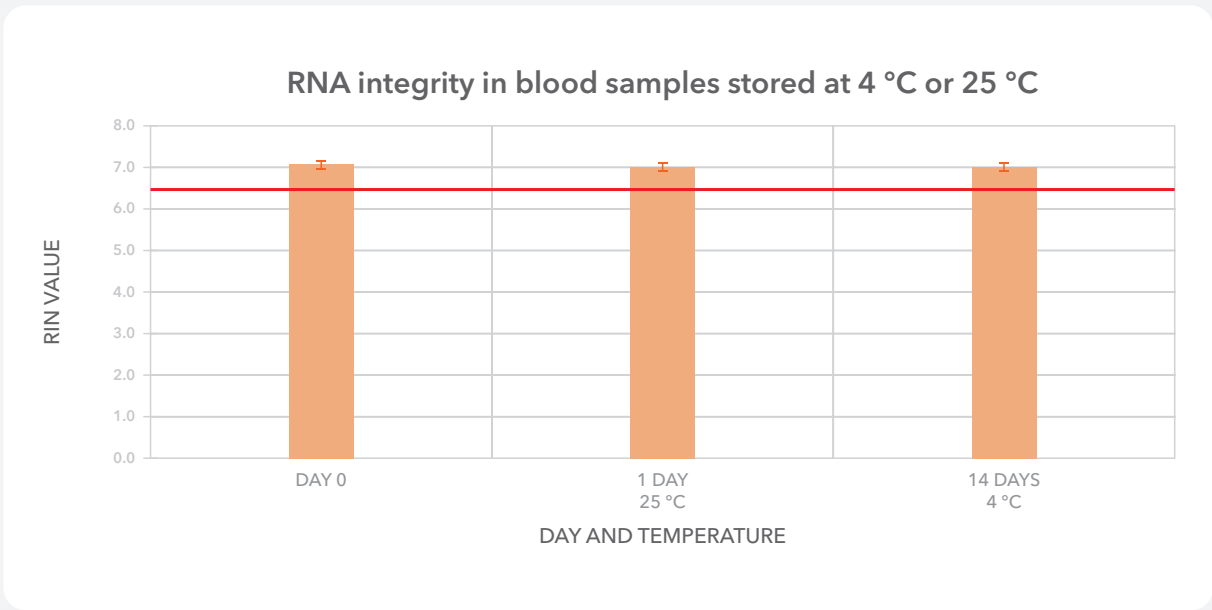
**Figure 2:** graphical presentation of RIN values of whole blood samples stored in DRD Blood™ after freeze/thaw cycles

## RT-qPCR stability of selected genes

Blood was collected in DRD Blood tubes (n=18: 3 donors x 3 lots of DRD Blood x 2 experiments), and stored at 4 °C and 25 °C for 30 days and 3 days, respectively. A selection of genes, including instability markers (IL1B and FOS) and one reference gene (18S), has been quantified by RT-qPCR. Cq values were compared to the values measured on day 0. Target levels were normalized against a spike-in control. The maximum Cq value difference never exceeded 2 at all measured time points. This is an exceptional RNA stability result!



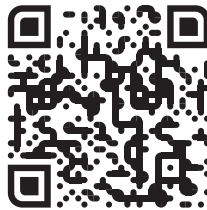
**Figure 3- 4:** graphical presentation of RNA stability in DRD Blood™ for whole blood samples stored at 4 °C & 25 °C



**Figure 5:** graphical presentation of RNA integrity in DRD Blood™ for whole blood samples stored at 4 °C or 25 °C

## Do you have questions?

In the link below you'll find answers to the most common questions regarding our products.



If you still can't find the answer just contact us!

### CONTACT

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### TECHNICAL SUPPORT

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