



Because the first step is the
most important step.

FOR CLINICAL MOLECULAR DIAGNOSTICS TESTING

PAXgene™

Blood RNA System

 PreAnalytiX
A QIAGEN / BD Company

CE

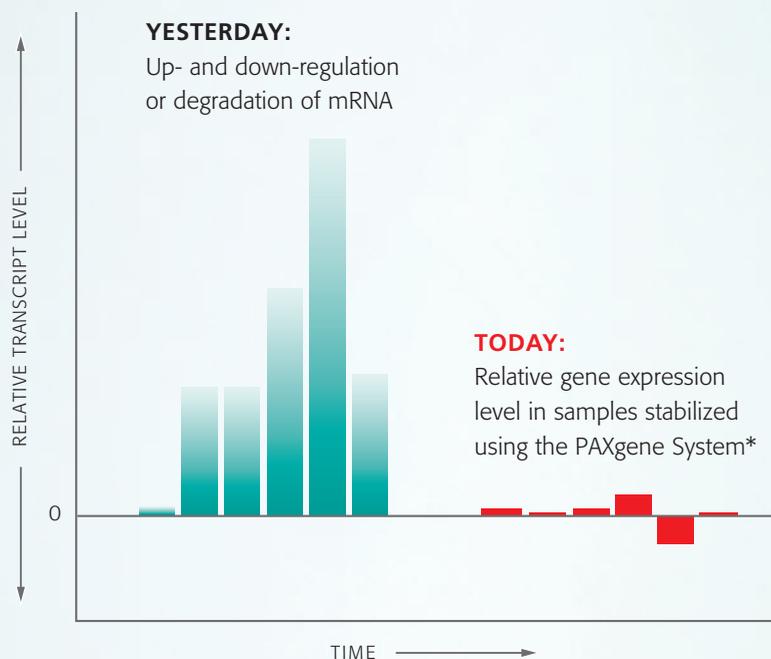
ISSUE:

RNA transcript levels change dramatically – often within minutes.

SOLUTION:

The PAXgene Blood RNA System minimizes preanalytical variables and establishes a new standard in RNA processing.

The PAXgene™ Blood RNA System is the first product for the collection, storage, and transport of blood and stabilization of intracellular RNA in a closed tube and subsequent isolation and purification of intracellular RNA from whole blood for RT-PCR used in molecular diagnostic testing. Performance characteristics for the PAXgene™ Blood RNA System have only been established with FOS and IL1B gene transcripts. The user is responsible for establishing appropriate performance characteristics for other target transcripts.



A revolutionary, enabling technology, the PAXgene Blood RNA System consolidates and integrates the key steps of whole blood collection, intracellular RNA stabilization and purification. By minimizing the unpredictability associated with RNA isolation, the system provides enhanced accuracy of intracellular RNA analysis.

For use in diagnostic procedures.

* Figurative representation of relative expression level variations only – see page 4 for actual product performance data.

PAXgene™

Blood RNA System



Zona užrašams



Imagine being able to analyze RNA as if it were still in the patient's body.

Blood Collection –

The PAXgene system is standardized on convenient BD Vacutainer® technology, enhancing patient and health care worker safety, providing sample protection, and facilitating consistent blood volumes.

Stabilization –

The PAXgene tube contains a proprietary reagent that immediately stabilizes intracellular RNA for 3 days at 18-25°C and 5 days at 2-8°C. In addition, samples can be archived at -20 to -70°C. The ability to eliminate freezing, batch samples, and minimize processing urgency greatly enhances lab efficiency.

Purification –

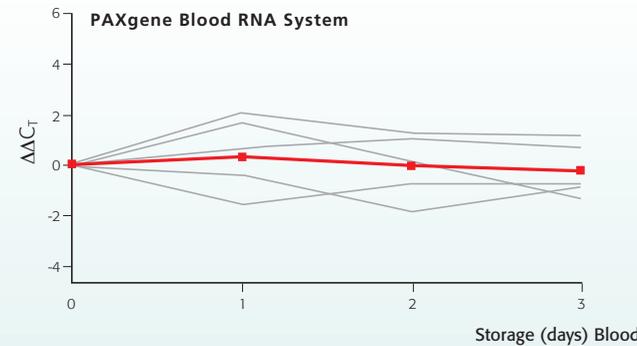
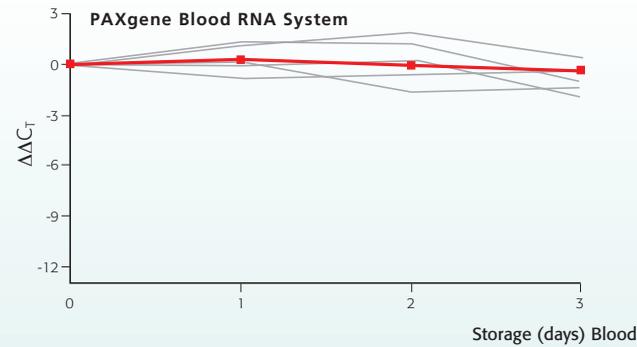
The PAXgene kit uses a unique version of QIAGEN's proven separation and purification technology. The purification process has been improved by the addition of a shredder spin column and a DNase treatment step to provide high-quality RNA from samples that have been stabilized in the PreAnalytiX reagent.

Standardization –

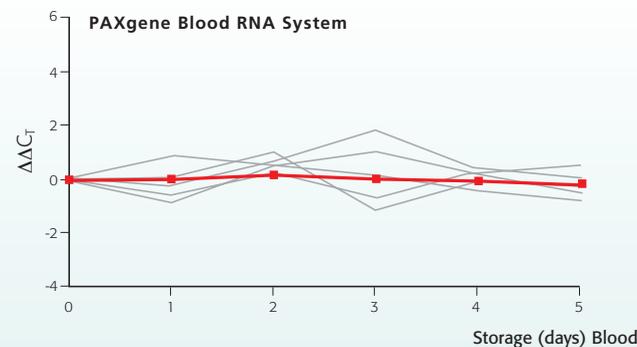
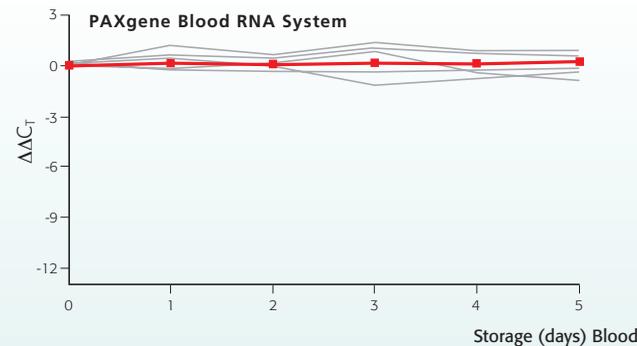
The PAXgene Blood RNA System provides diagnostic laboratories, pharmaceutical, CRO, and research institutions with a completely integrated approach to RNA purification. No special kits. One integrated product – from blood collection to high quality RNA.

PAXgene stabilizes mRNA for up to 3 days at 18-25°C:

PAXgene Blood RNA System vs. EDTA



PAXgene stabilizes mRNA for up to 5 days at 2-8°C:



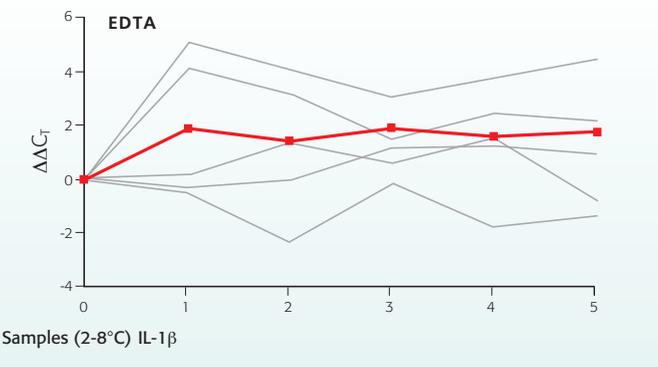
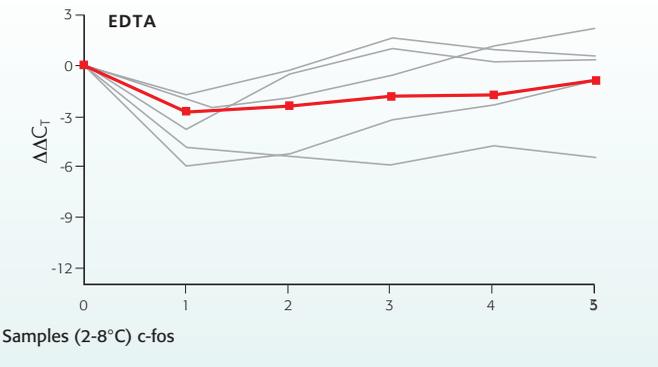
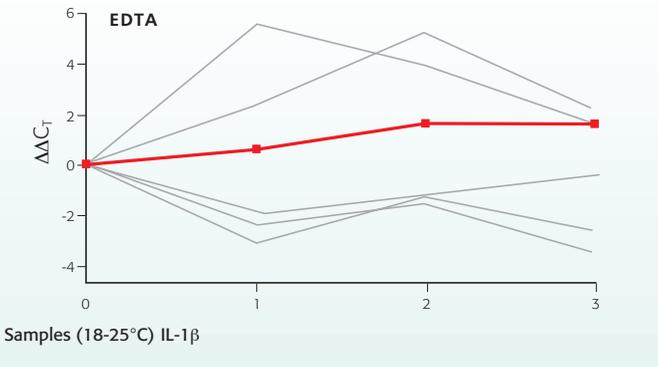
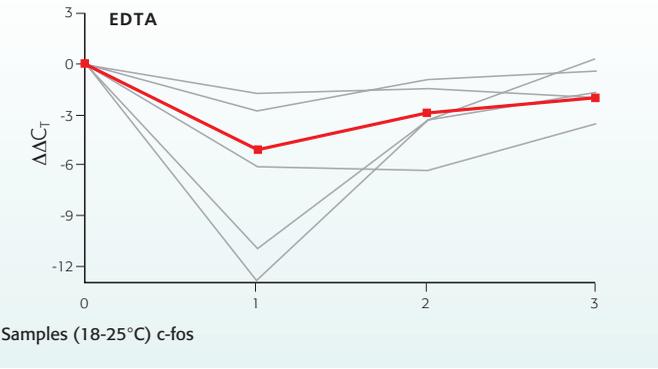
*See PAXgene™ Blood RNA Kit Handbook for data.

PAXgene™

Blood RNA System



Tube/Purification with Chaotropic Agent*



Discover the truth.

Studies show that transcript levels change significantly, *in vitro*. Some genes may be up-regulated or down-regulated, and their transcripts degrade during blood collection, transport, and processing.

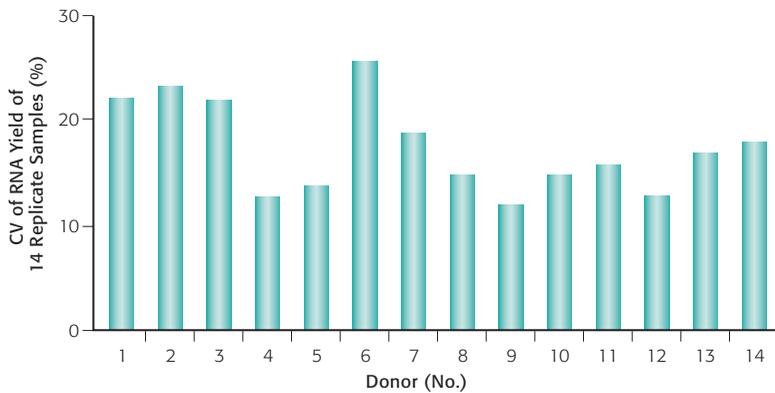
An *in vivo* snapshot!

PAXgene provides remarkable mRNA stability in gene expression analysis. The PAXgene Blood RNA System adds a new dimension to gene expression analysis by enabling clinicians and researchers to find the subtle differences in gene expression profiles without variations caused by sample collection, storage, and transport conditions.

PAXgene: A completely integrated approach to RNA purification.



Reproducibility of RNA Yield*

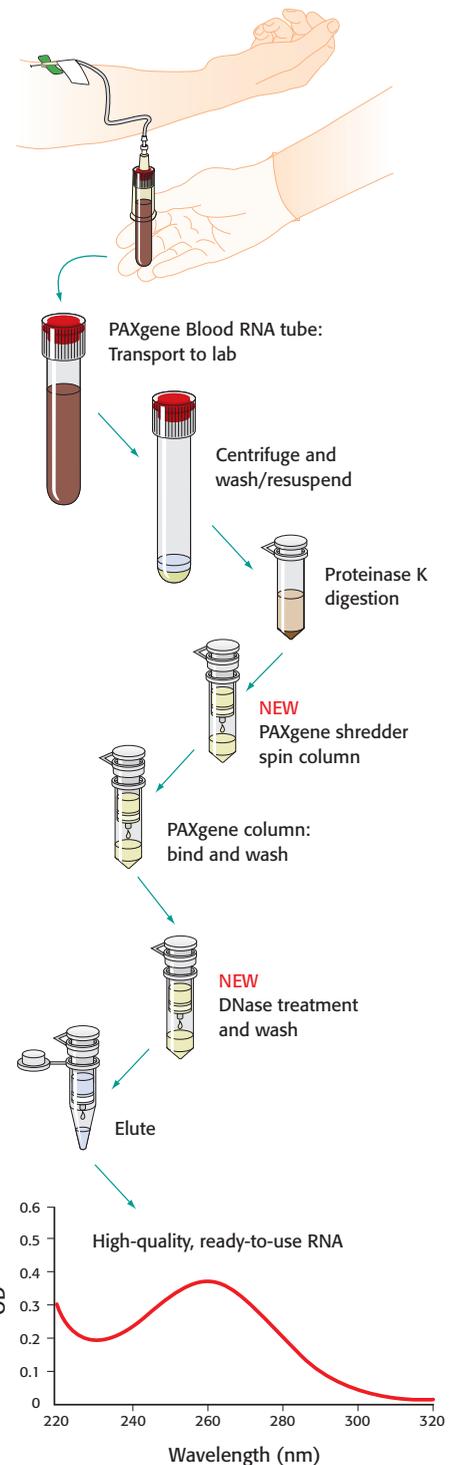


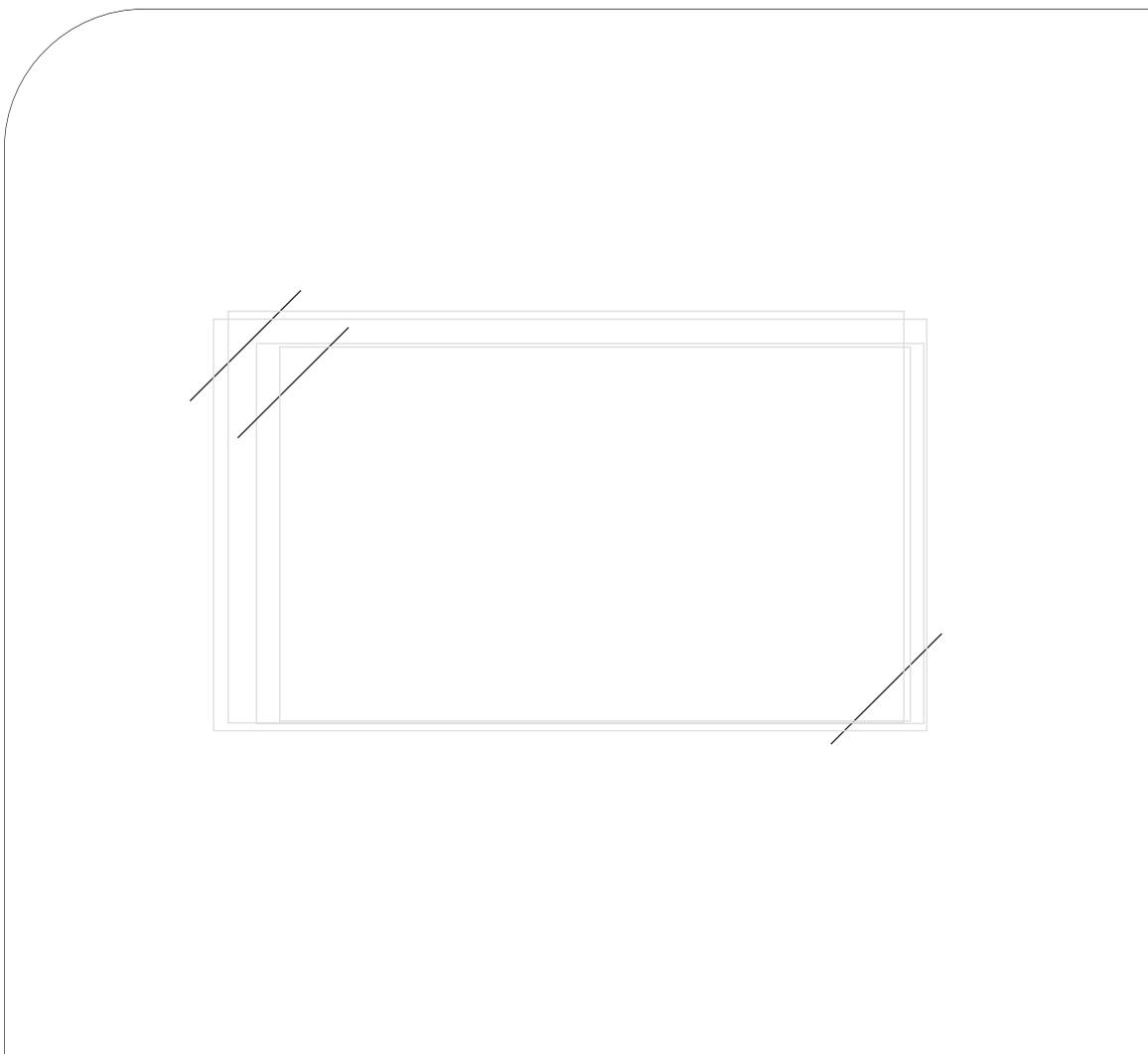
*See PAXgene™ Blood RNA Kit Handbook for data.

The **PAXgene Blood RNA System** will play an important role in molecular diagnostics, especially in clinical laboratories, where multiple sites, transport times, and reproducibility are key issues.

Only the **PAXgene Blood RNA System** offers a complete preanalytical solution – from collection to purification, facilitating higher quality RNA test results. The system will allow clinicians to obtain a gene expression profile that is closer to the patient’s true profile, facilitating diagnosis of diseases and improving patient care.

The PAXgene Blood RNA System integrates and standardizes work flow





Ordering Information

PAXgene™

Blood RNA System

PAXgene™ Products

PAXgene™ Blood RNA Tube (100)

100 Blood collection tubes. Use with the PAXgene™ Blood RNA Kit (50)

#762165 Worldwide

PAXgene™ Blood RNA Kit (50)

50 PAXgene™ spin columns, processing tubes, RNase-free reagents and buffers. Use with the PAXgene™ Blood RNA Tubes (100)

#762164 North America #762174 Other countries

BD Products*

BD Vacutainer® Safety-Lok™ Blood Collection Set

21G, 3/4 inch needle, 12 inch tubing with luer adapter (50/box, 200/case)

#367281 North America #367286 Other countries

BD Vacutainer® One-Use Holder

Case only for 13mm and 16mm diameter (1000/case)

#364815 Worldwide

BD Vacutainer® Plus Serum Tubes

13 X 75mm 4.0 ml draw with Red BD Hemogard™ closure and paper label (100/box, 1000/case)

#367812 North America #368975 Other countries

*These catalog numbers represent typical products that can be used with the PAXgene™ Blood RNA Tube.

Visit www.preanalytix.com to learn more about our integrated systems solutions.



A QIAGEN / BD Company

Pioneering integrated systems to standardize the collection, stabilization, and purification of RNA and DNA

PreAnalytiX GmbH, Hombrechtikon, Switzerland

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To order PAXgene Blood RNA Tubes and BD products:

BD – Customer Service/Orders

Australia BD: North Ryde
Tel: 612.8875.7000 Fax: 612.8875.7000
E-Mail: bd_anz@bd.com

Canada BD: Oakville
Tel: 800.268.5430 Fax: 800.565.0897
E-Mail: custsvccan@bd.com

Europe BD: Erembodegem
Tel: 32.53.720.337 Fax: 32.53.720.558

Poland BD: Warsaw
Tel: 48.22.651.75.88 Fax: 48.22.651.75.89

USA BD: Franklin Lakes
Tel: 888.237.2762 Fax: 800.847.2220

BD Technical Services

<http://www.PreAnalytiX.com>
Vacutainer_TechServices@bd.com
800.631.0174 (North America)
32.53.720.337 (Europe)

To order PAXgene Blood RNA Kits:

QIAGEN – Customer Service/Orders

Australia
Tel: 03.9489.3666 Fax: 03.9489.3888

Canada
Tel: 888.387.2381 Fax: 800.713.5951

France
Tel: 01.60.920.920 Fax: 01.60.920.925

Germany
Tel: 02103.29.12000 Fax: 02103.29.22000

Italy
Tel: 02.33430411 Fax: 02.33430426

Japan
Tel: 03.5547.0811 Fax: 03.5547.0818

Switzerland
Tel: 061.319.30.31 Fax: 061.319.30.33

United Kingdom
Tel: 01293.422.911 Fax: 01293.422.922

United States
Tel: 888.387.2381 Fax: 800.718.2056

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