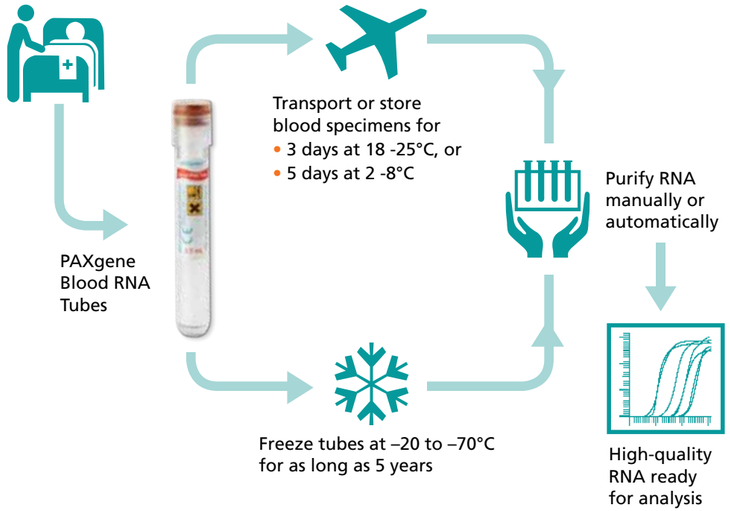
Transport and long-term storage of blood samples

Whether your blood specimens were in transport for a few days or frozen for as long as 5 years,* the RNA test results will be unaffected.



* Studies ongoing, see www.preanalytix.com for supporting data.

Understanding and controlling preanalytical variables

The Impact of Preanalytical Variables on Biomarker Research

Don't miss this informative Webcast designed to help you develop and accelerate your biomarker research.

Specifically, this webcast presents the potential impact of sample handling on protein and peptide stability and how this variability can be controlled through the use of protease inhibitors.

Keynote speaker: Dr. David Craft,
Manager for Proteomics
Research and Development

View now at

www.bd.com/proteomics

BD Customer Service: **888.237.2762**
BD Technical Services: **800.631.0174**

BD Diagnostics
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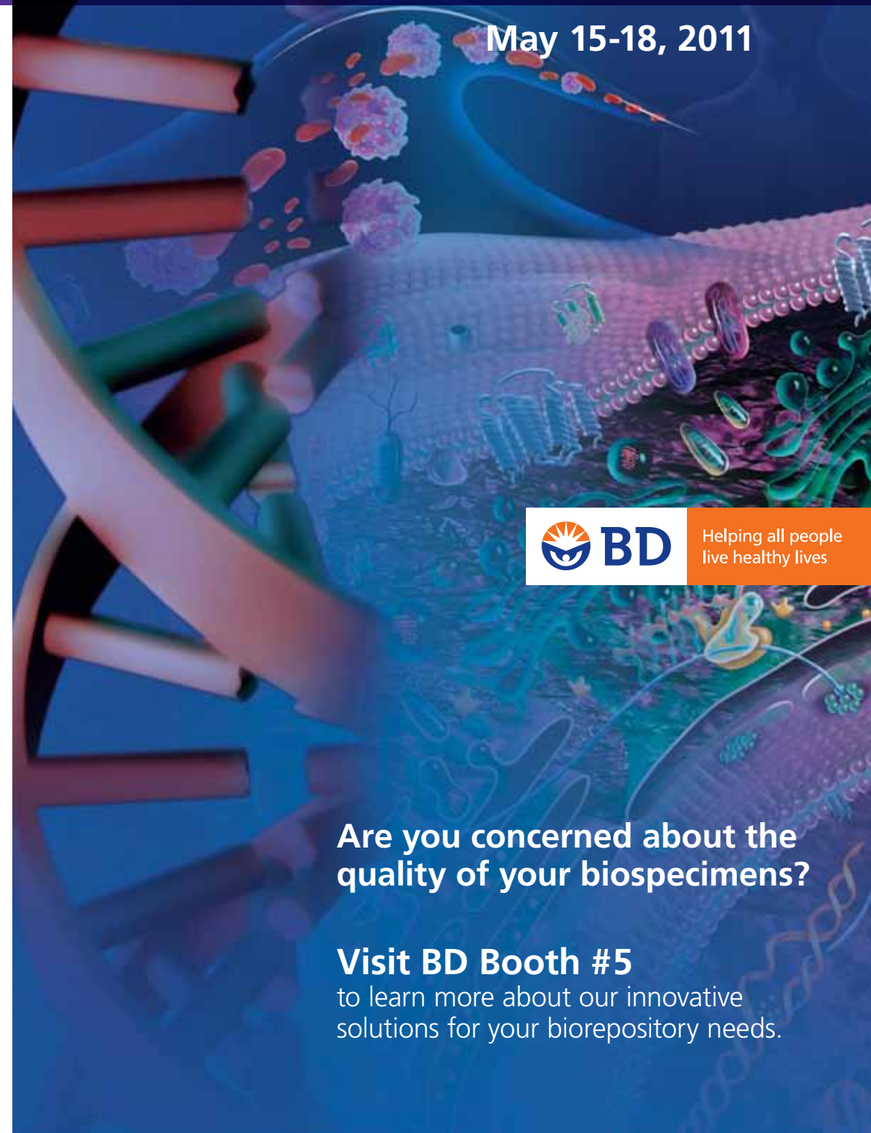


BD Helping all people live healthy lives

Are you concerned about the quality of your biospecimens?

Visit BD Booth #5
to learn more about our innovative solutions for your biorepository needs.

PAXgene® Blood RNA System

Analyze RNA As If It Were Still in the Body

The PAXgene Blood RNA System is a revolutionary, enabling technology that consolidates and integrates the key steps of whole blood collection, intracellular RNA stabilization, and RNA purification. By minimizing the instability of intracellular RNA, the system provides enhanced accuracy of RNA analysis.

The PAXgene system uses established and standardized BD Vacutainer® technology, enhancing patient and healthcare worker safety, providing sample protection, and ensuring consistent and accurate blood draw volumes.

The PAXgene Blood RNA Tube contains a proprietary reagent that immediately stabilizes intracellular RNA for three days at room temperature or five days at 2-8°C. PAXgene tubes can be frozen at temperatures of -20°C to -70°C for long-term storage.

The PAXgene kit employs a unique version of Qiagen's proven separation and purification silica membrane technology. The purification process is designed to provide high-quality RNA from samples that have been stabilized by the PAXgene Blood RNA Tube reagent.

The PAXgene Blood RNA System provides clinical laboratories, pharmaceutical companies, Clinical Research Organizations (CROs) and research institutions with a completely integrated approach to whole blood RNA stabilization, separation and purification.

PAXgene® Blood RNA System

Unique Benefits:

Trust a proven enabling technology

- The first IVD and CE marked product for RNA preservation and isolation for whole blood
- Reliable, reproducible, quality results backed by over 385 scientific publications
- Fully integrated for manual or automated processing
- Conduct clinical trials and studies without compromising sample quality

Stabilize intracellular RNA at the point of blood collection

- Integrated system for blood collection, stabilization and purification of intracellular RNA
- Transport or store blood specimens for 3 days at 18-25°C or 5 days at 2-8°C
- Freeze tubes at -20 to -70°C for as long as 5 years
- RNA yield* (Avg. 8-10 µg/2.5 mL)

Generate more accurate gene expression data

- Minimize artifacts of induction, down regulation and RNA degradation

Reference Number	Glass (G) or Plastic (P)	Tube Size (mm)	Draw Volume (mL)	Closure Type/Color	Label Type	Additive/ Concentration	Packaging Box/Case Quantities
PAXgene® Blood RNA Tube							
762165*	P	16 x 100	2.5	BD Hemogard™/ Red	Paper	Additive 6.9 mL	100/Case

www.PreAnalytix.com

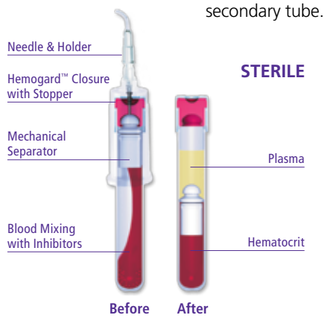
*PAXgene® Blood RNA Kit (North American Catalog #762164) can be ordered from QIAGEN, or visit http://www.PreAnalytix.com.

BD™ P100 Blood Collection System for Plasma Protein Preservation

Immediately Stabilizes Plasma Proteins

BD P100 is an evacuated blood collection tube that enables greater recovery and preservation of human plasma proteins for proteomics-based biomarker discovery studies. The P100 tubes contain a proprietary broad-spectrum protease inhibitor cocktail that provides immediate stabilization of plasma proteins at point-of-collection. The tube also features a patented innovative non-gel "mechanical" separator that results in minimal cellular contamination. The optimized protease inhibitor cocktail combined with features of the mechanical separator minimizes preanalytical variability thus providing a system for the reproducible collection, separation and transportation of plasma for protein analysis studies.

During centrifugation, the mechanical separator is released from the stopper and migrates to a position between the plasma and cellular elements. After separation, plasma may be aspirated directly from the collection tube, eliminating the need to transfer the plasma to a secondary tube.



Cross-section view of BD P100 Plasma Tube showing immediate, controlled mixing of blood with the proprietary additive.

Unique Benefits:

BD™ P100 Tubes contain proprietary stabilizers that immediately solubilize during blood collection, enhancing recovery and preservation of plasma analytes:

- On-board stabilizers provide point of collection protection of plasma proteins
- Sterile and ready to use
- No reconstitution and secondary transfer steps required
- Innovative mechanical separator minimizes cellular contamination

Reference Number	Glass (G) or Plastic (P)	Tube Size (mm)	Draw Volume (mL)	Closure Type/Color	Anticoagulant	Additive	Packaging (Tubes/Kit)
BD™ P100 Blood Collection System for Plasma Protein Preservation							
366448	P	16 x 100	~8.5	BD Hemogard™/ Clear	15.8 mg K2EDTA	Proprietary Protein Stabilizers	24 tubes; 6 tubes/foil pouch 4 foil pouches/kit

www.bd.com/proteomics

BD P100 is for Research Use Only. Not for use in diagnostic procedures.