Managing the Entire Blood Supply Chain

PHS Blood Bank, a comprehensive, FDA-approved Transfusion Management System available from MediSolution, has been designed to help manage the full cycle of blood bank activities in hospitals, community blood banks and reference labs. Through the principles of hemovigilance and pharmacovigilance, PHS Blood Bank safeguards the entire process of transfusion therapy and ensures full traceability of blood units and components.

PHS Blood Bank, developed by MAK-SYSTEM, a world leader in blood banking and blood solution systems, is installed in more than 1,000 institutions internationally. PHS Blood Bank is a modular software solution that can be easily configured to meet the diverse activities and procedures within standalone or multi-site healthcare organizations.

The system provides functionality covering the entire blood supply chain, including:

- Patient lab testing
- Patient file administration
- Pregnancy administration
- Serological cross-matching
- Order management
- Inventory management, including component transformation
- Blood product & derivatives distribution management
- Traceability
- Adverse event & incident reporting
- Bedside transformation documentation
- Statistics gathering & reporting
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Benefits At A Glance

- Applies hemovigilance and pharmacovigilance to safeguard the entire transfusion therapy process against the risk of transfusion incidents
- Automates and streamlines blood product tracking, quality assurance and quarantine/recall processes
- Comprehensive professional services ensure smooth deployment and application lifecycle management
- Knowledgeable, experienced support team ensures maximum uptime and availability
- Tight integration with MAK-SYSTEM's Progesa donor-side software improves supply chain accuracy, speed
- Helps labs keep pace with a changing regulatory environment

MediSolution Services Make All the Difference

While there may not be significant differences between various blood bank management applications, what differentiates a MediSolution PHS Blood Bank deployment from all the others is the breadth and depth of the services offered by our Professional Services team to ensure the successful deployment and smooth ongoing operation of your solution.

Implementation Plans that Fit

Our detailed, best-practices implementation methodology and processes ensure optimum fit, maximum functionality and the best return on your investment. We will tailor an implementation plan to match the specific needs of your organization, thus ensuring your solution is implemented on time, on budget and on
spec, and providing a smooth transition from any current software to PHS Blood Bank. Our extensive deployment experience allows us to help you quickly and easily implement single- and multi-site PHS Blood Bank environments.

We offer comprehensive and continuous end-user and super-user education and training in whatever combination of formats best suits your organization’s size and training needs, from classroom and online, to one-on-one sessions. Your users will be experts in blood product management and know how to take full advantage of the many features that PHS Blood Bank offers.

Uptime is Everything!

A blood bank management system is a high-need application that is typically deployed in highly regulated environments, such as hospitals, and used continuously throughout the day. With people’s lives potentially at stake, you simply must have the system working at all times. MediSolution has developed a comprehensive support structure that includes several options for how we can help you keep your PHS Blood Bank system up to date and operating at peak performance. With ongoing support from MediSolution, you and your organization can focus on your core business, and we’ll focus on our products and services and how they can best serve you.

We’re True ‘Blood Bankers’

Our expert staff has been at it for more than 10 years, and many are Certified Medical Lab Technologists – “blood bankers”. They have received formal training and passed the required tests to become registered technologists within their states, provinces or countries. Our expertise in blood bank implementation and customer support allow for a smooth transition from a previous system (or from no system at all) to PHS Blood Bank. Your MediSolution team, which also includes many certified Project Management Professionals, combines skilled and experienced people with field-proven procedures and the very best in technology.

Best-of-Breed in Transfusion Management

PHS Blood Bank ensures full traceability of blood units and components in accordance with regulations, including compliancy with the ISBT 128 standard, including the U.S. Industry Consensus Standard. Secure integration with HIS and LIS systems is provided using industry standard HL7 communications protocols. PHS Blood Bank also provides capabilities that enable users to design and populate customized reports, forms or labels to meet their needs.

Blood Units and Components Management

PHS Blood Bank manages all processes associated with the handling and utilization of blood units and components within the hospital: storage, transformation, secured distribution, cross-match, transfusion, invoicing, product recall, etc.

Traceability

PHS Blood Bank functionality permits the tracking of all activities related to patients, specimens, orders, blood units, components, reagents and consumables based on multiple criteria and cross-references search capabilities.

Transfusion Documentation at Bedside

Through the use of wireless technology and advanced barcode reading, bedside transfusion documentation helps prevent errors and provides accurate and consistent information. Using Pocket Technology, a nurse is able to identify when the product is received at the bedside, when it is connected to the patient and when the transfusion is completed.

“MediSolution was very supportive of our efforts throughout the entire blood bank project – onsite continuously, training us, assisting our parametering efforts and explaining things as we went.”

Ann Wilson
Transfusion Safety Office
McGill University Health Centre
Integration with Collection Center Software

PHS Blood Bank integrates tightly with Progesa, an industry-leading donor-side application also developed by MAK-SYSTEM. Progesa is widely deployed throughout North America. The PHS Blood Bank application integrates seamlessly with Progesa for:

- Direct transmission of product orders from PHS Blood Bank to Progesa … eliminates order-entry errors and reduces order turnaround time;
- Products delivered from Progesa to PHS Blood Bank can be placed directly into inventory … eliminates inventory data entry and thus data-entry errors;
- Product lookbacks submitted by Progesa are integrated into PHS Blood Bank and the product is placed immediately into quarantine … decreases the risk of the product being transfused to a patient;

Effective Patient Identification

PHS Blood Bank, when used with Pockets, automatically and accurately identifies patients at bedside by comparing barcoded information found on patients’ wristbands to information found in PHS Blood Bank.

Adverse Event Reporting

PHS Blood Bank satisfies requirements for any national and regional adverse event or transfusion incident reporting programs. Full post-transfusion reaction tracking is provided, including automated investigation covering pre-transfusion tests, post-transfusion tests and post-transfusion letters.

Patient Lab Testing

PHS Blood Bank’s Patient Lab Testing module automates all clinical, managerial and financial processes associated with immuno-hematology testing and electronic cross-matching for the purpose of blood transfusion, including integration of results from ProVUE, Echo and Galileo automated blood analyzers.

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About MediSolution

MediSolution (TSX:MSH), a Brookfield Asset Management company, is a leading information technology company, providing enterprise resource planning (ERP) and specialized blood bank software, solutions and services to healthcare and service sector customers across North America. More than 300 healthcare, public and service sector organizations rely on MediSolution’s systems to maximize their operational efficiencies, lower their costs and improve the delivery of services.

The company’s product portfolio is comprised of Financial Management software such as accounts receivable, budgeting and materials management, Business Intelligence solutions as well as Human Capital Management tools and services including human resources management, staff scheduling and payroll processing. The company also provides specialty hemovigilance solutions that improve patient safety, reduce waste and increase efficiency for blood transfusion services.