BloodControl

Your Dashboard to Total Visibility

The BloodControl dashboard is the core of our HealthRFID blood management system and controls the end to end workflows and acts as management dashboard. It is cloud based, configurable to your business processes and integrates with your backend system, LIS or patient administration system. We have designed BloodControl by end users for end users and to be intuitive to use, and the dashboard presents you with the most important information on the spot.
**BloodControl**  
*Features & Functionalities*

**Manages the Infrastructure & Ecosystem**
- Readers (RFID, Barcode)  
- Locations (Lab, Theater, ICU)  
- Users (Admin, Lab, Courier)  
- Workflows  
- Users

**Associates RFID tags and blood bags and labels**
Associates RFID tags and blood bags and labels with customer provided data such as unique patient or donation numbers, type of blood or other ISBT-128 compliant information for blood products. Importantly ControlPoint can be configured at a field level to store this information in the database, on the RFID tag or both helping you to get the right balance between security, performance and operational convenience.

**Supports a wide range of transactions including**
- Blood Products - request, issue, dispatch, receive, discard, transfuse, associate items with larger transportation units, change location of item, check contents of shippers, recall, monitor and more.

**Visual dashboard**
Provides a visual dashboard showing the status and location of individual blood bags and groups of blood bags.

**Provides reporting and diagnostic tools**
- Time out of fridge  
- Expiration date  
- Cross match reservation date  
- Temperature  
- Destination  
- Stock levels

**Provides a comprehensive (SOAP or RESTful webservices) API for integration**
- Auslab  
- Ultra  
- Apollo  
- Cerner  
- LabTrack  
- Others

**BloodControl is centred on a browser based dashboard metaphor that shows the status of products and workflows throughout the system including 'stock' levels, temperature, locations and expirations.**

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[www.healthrfid.com](http://www.healthrfid.com)
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Features & Functionalities

The dashboard shows detailed information of each product in the system and provides a digital sign-out register.

The dashboard provides access to maintenance tools for authorised users including:
• workflows
• locations
• users
• messages
• business rules, timers, alerts and notifications
• routes
• critical patient data anonymisation.

The BloodControl server integrates with HealthRFID hardware. At each stage of the workflow the HealthRFID hardware’s User Interface provides an interface designed to help the user perform their task.
• Uncluttered initial menu
• Colour coded and detailed transaction information.
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Infrastructure, Interfaces and Security

- n-tier architecture, geographically redundant cloud environment.
- Automatically replicate and fails over in the event of high load or failure.
- 99.9% availability through Amazon Web Services.
- Software upgrades are performed without any scheduled outage.
- At least two environments - production and test.
- High performance and robust components suited for large cloud deployments.
- Permanent monitored and automatic trouble tickets.

Interfaces
- RESTful and SOAP Webservice, XML and json.
- Read/Write in text, csv, xlsx or customer specific format.
- Direct SQL.

Standards
- http/https 1.1
- XML
- JSON
- ICBT128

Each customer’s BloodControl is deployed in their own environment, HealthRFID does not use multi tenanted systems. Access to the systems is over ssl encrypted links, on request http can also be provided. Using Amazon Web Services infrastructure allows HealthRFID to provide state of the art security, which typically exceeds the capabilities of in house corporate systems. Amazon Security Compliance.

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