

TD BloodBank®

Livextens

Transfuse the right product to the right patient

TD BloodBank manages the transfusion request workflow, from stock entry, sample reception and testing, crossmatch and antibody screening, to post-transfusion tracking and audit

TD BloodBank gives laboratory staff and blood transfusion practitioners a complete and easy-to-use system that complies with EU Directives on blood safety and quality, and the transfusion guidelines of most countries.



Patient safety
first



Optimized
workflow



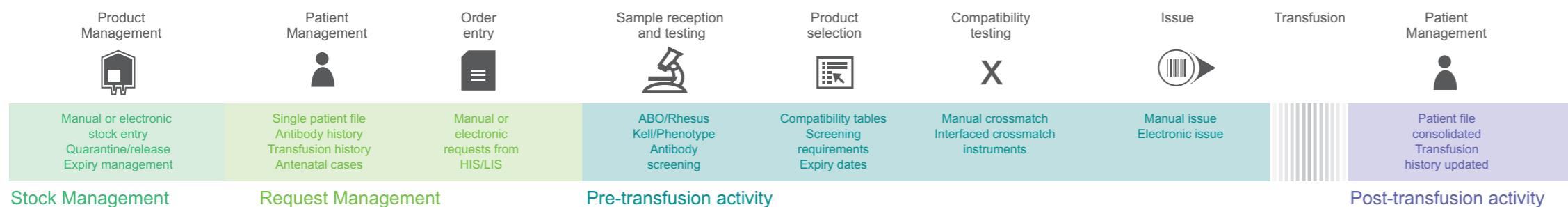
Traceability

TD BloodBank is a highly customizable solution which can be configured to meet all blood management and transfusion needs.

Its **enhanced user rights management** and **inbuilt safety features** optimize stocks, manage fridges, and of course, help transfuse the right product to the right patient, every time.



TD Blood Bank supports the ISBT 128 product identification standard.



Configurable to meet local working practices and legislation, with patient safety in mind

- Complies with European Directives on blood safety and quality
 - Positive patient identity (optional Safetrak Pocket module at the bedside)
 - Blood group and compatibility testing
 - Antibody screening
- Manages stocks efficiently and safely
 - Time out of fridge monitoring
 - Pack quarantine before release to stock
 - Remote fridge access control (optional Safetrak Fridge module)
- Supports ISBT128 product labelling standards
 - Safer, faster stock entry
 - Easier pack identity at all stages in the process
- Manages non-standard workflows, such as those for patients with:
 - Transitional blood groups
 - Rare phenotypes like Bombay/Para-Bombay



Optimized workflows for faster and safer transfusion

- Sample identification and reception
 - Sample reception procedure
- Sample testing
 - Double-blind entry of results by two users
 - Use of mother's sample for neonates
 - Automatic comparison with previous results
 - Alerts in the event of blood group mismatches
 - Optional setting to prevent pack allocation before testing is complete
 - Interfaces with the major blood group typing instruments
- Blood group confirmation
 - Consolidated results at patient level
 - Single or double determination
- Antibody screening
 - Automatic checks for available patient samples
 - Date/time of previous transfusions determines if a new screening is required

- Compatibility and crossmatch
 - Configurable compatibility tables for ABO, Rhesus, Phenotype, Kell and Bombay
 - Essential patient information displayed at all times
 - Specific transfusion requirements, such as irradiated blood or CMV negative
 - Electronic issue (optional crossmatch) in line with international guidelines
 - Up to four methods of manual crossmatch where Electronic Issue is not permitted or suitable
 - Interfaces with the major automated crossmatch instruments



Comprehensive traceability at every stage

- Auditing of user and system actions:
 - Quarantine at stock entry
 - Serological or electronic crossmatch
 - Stock update
 - Product issue, including stat issue
 - Return to stock
 - Fate of donation

Efficiency and customization

Configurable to meet all needs

- Meets local and national guidelines, including the European Directives on blood safety and quality
- Optimized workflows for faster turnaround times on sample testing and faster access to transfusion
- Enhanced user rights management to manage patient-sensitive workflows

Robustness

A proven solution worldwide

- Continuity of service
- Rapid response times
- Reduced operating costs
- Supports ISBT128 global labelling standards

A team of experts at your service to optimize your lab organization

- Consultancy and audit of laboratory organization and workflow
- Installation follow-up
- Training and assistance

**LEARN MORE**

This is a succinct overview of the main product features, please contact us if you require further details.

TD BloodBank[®]

Livextens

Transfuse the right product to the right patient

Features

Stock management

- Product identification using the ISBT 128 standard
- Blood components and blood derivatives
- Storage management
- Location traceability - total time spent outside a refrigerated area
- Predefined stock query routines - list of products available per blood group and product type

Transfusion request management

- Specimen validation stage
- Testing of patient samples
- Use of mother's blood samples for neonates
- Double-blind results entry for greater safety
- Automatic comparison with previous results
- Compatibility checks for product reservation (ABO, Rhesus factor, Phenotype, Kell, Bombay, screening requirements)
- Crossmatching
- Electronic issue, where permitted by local practice
- Patient transfusion history
- Autologous and directed transfusion, where permitted by local practice

Comprehensive audit capability

- Standard actions (product allocation, crossmatch testing, product issue, etc)
- Exceptional actions (stat issue, merging of two patient records, modification of results, blood group mismatch, etc)
- Exceptional actions report

Antenatal care

- Antenatal report (tests performed and antibodies identified)
- Printing of maternal blood group cards

Safetrak™ features

- Remote fridge access control
- Bedside positive patient identification
- Real-time information
- Transfusion data entry at the bedside

Companion solutions

- Safetrak Fridge – controlled access to remote blood fridges and their contents
- Safetrak Pocket – manage transfusion-related activities at the patient's bedside
- Document management module
- Non-conformity management module

Technical overview

- Client-server architecture
- Relational database (Oracle[®] or SQL Server[®])
- Windows[®] operating system
- Communication using standard HL7 and ASTM protocols
- Interfaces with blood typing and crossmatch instruments
- Supports ISBT128 labeling standards