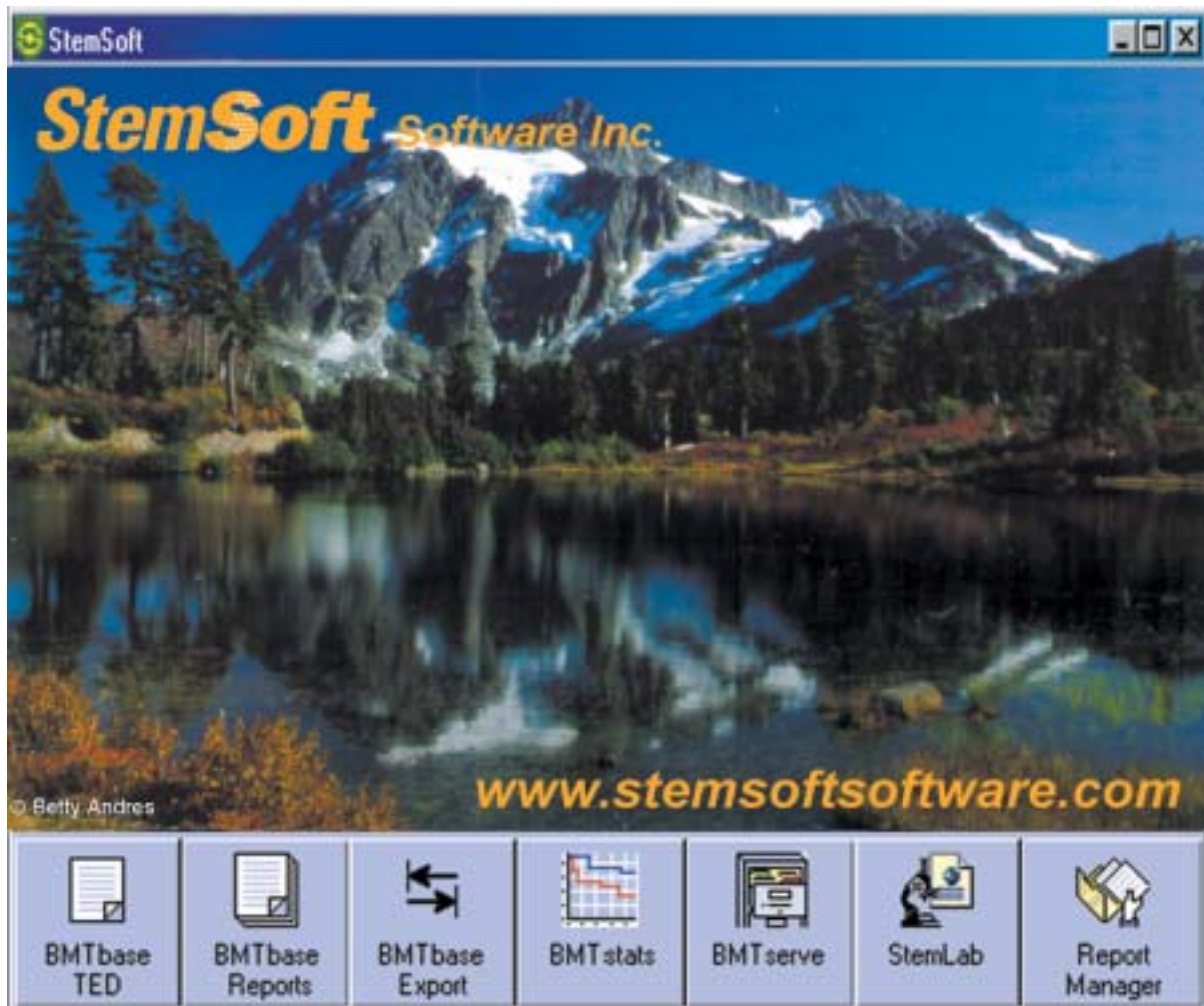


StemSoft • StemSoft • StemSoft • StemSoft • S



**SOFTWARE DESIGNED EXCLUSIVELY
FOR BMT CENTERS**

StemSoft • StemSoft • StemSoft • StemSoft • S

Company Profile



StemSoft Software develops data management and outcome analysis software exclusively for oncologists, hematologists and stem cell processing professionals. Since 1993, clinicians, laboratory technologists, data managers and research coordinators at more than 250 institutions in 32 countries have discovered the benefits of StemSoft solutions for patient management, stem cell processing and storage management, BMT registry reporting, and outcome analysis.



Commitment

The majority of StemSoft staff members have clinical, laboratory, research or data management backgrounds with experience in stem cell transplantation. They are committed to cancer research and patient care. This experience is used to deliver comprehensive solutions that meet your specialized data management, reporting and outcome analysis needs. We ensure that these solutions address your complex and changing needs by providing comprehensive training, professional services, and outstanding customer service.

The StemSoft Goal

To enhance the ability of health care providers to gather, analyze and share information by providing and supporting the industry's finest software. The StemSoft commitment to excellence is rooted in the desire to improve cancer patients' quality of life and assist in the ongoing research for a cure.



...developed for health care providers...



Quality

StemSoft products meet the highest technical and medical standards.

Technical Standards. All products are developed using a structured process that follows the FDA and IEEE guidelines for software development, test and life cycle support with QA review and signoff throughout the development cycle. All supported databases and operating systems are included in the development process to ensure consistent quality.

Medical Standards. FACT, AABB, HIPAA, and other guidelines are constantly monitored to ensure that StemSoft products meet their standards today and tomorrow.

Industry Partners

StemSoft products meet the changing needs of hospital and outpatient programs, information services departments, regulatory agencies, and the changing science of medicine because they are developed in partnership with leading industry organizations.

Microsoft®. StemSoft products are developed using industry standard, non-proprietary technologies from Microsoft®, including Microsoft® SQL Server.

Microsoft®



HL7. As an organizational member of Health Level Seven (HL7), StemSoft supports the recognized standard for exchanging medical data.

IBMTR/ABMTR. We work closely with industry organizations like IBMTR/ABMTR to ensure that our software meets current medical standards.

Customers. We work closely with our customers when developing and upgrading our products to meet the evolving needs of hematologists, oncologists, and stem cell processing specialists.

Unique Product Integration

StemSoft offers a family of integrated software applications designed to access a single database of information that meets your complete program needs. This design lets you select the modules you need to create your own comprehensive data management and outcome analysis solution while the central shared database, StemSoft CORE, ensures that patient and product data is entered once and available to every discipline within your institution.

Reduce Your Costs

Single integrated CORE database for low cost life cycle support.

Implement one configuration. A single database (CORE) configuration on a single server is all that is required to enable the BMTserve™ and StemLab™ clients to share patient and product data and automatically export data to BMTbase® for registry reporting.

Use one interface. Data from existing hospital systems can be imported directly into the central StemSoft database in real-time. Following a one-time setup, data is immediately available in both lab and clinical areas.



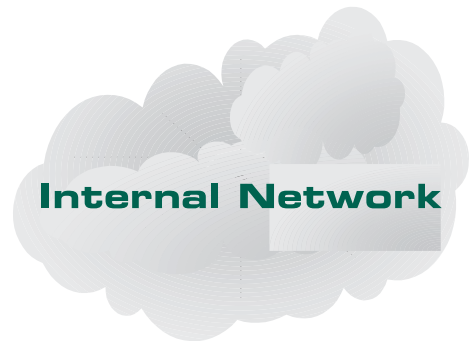
StemSoft® Report Manager

A report distribution program designed to assist practitioners with the generation of standardized reports.



StemLab™

A comprehensive stem cell processing laboratory information system that helps stem cell processing managers and technologists manage the data generated by the receipt, processing, storage, and infusion of blood and marrow products.



Improve Communication

Implementing the StemSoft family of applications makes inter-departmental communication easy.

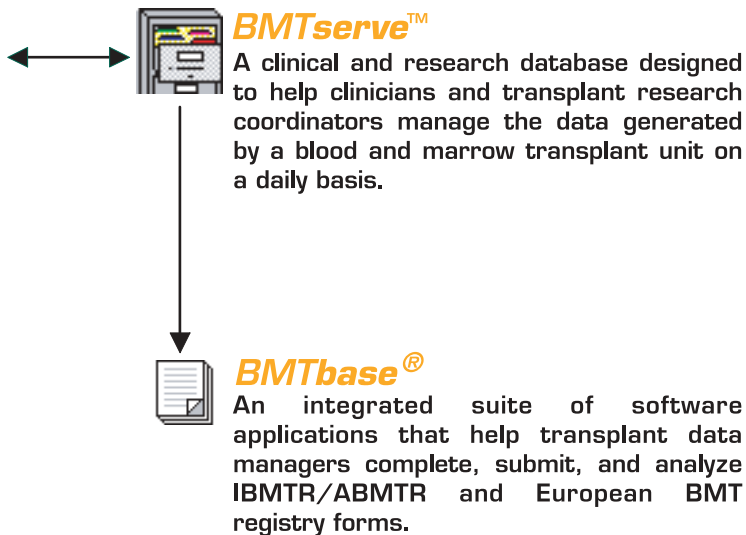
- Maintain a common source for patient data in the StemSoft CORE database including the information from the clinic, ward, and lab.
- Respond to insurance providers and administrators by producing summary reports for research and insurance purposes from the same information source, saving time and improving accuracy.

...saving you time and money...

Eliminate Duplicate Data Entry

The single CORE database design allows data entered in one StemSoft application to be immediately available to all StemSoft applications.

- Reduce data entry errors by eliminating the need for duplicate data entry.
- Automatically complete registry forms. Your European and IBMTR/ABMTR blood and marrow transplant registry forms are completed more accurately and in less time because patient data entered in BMTserve™ can be seamlessly exported into BMTbase®.
- Import historic data submitted to the IBMTR/ABMTR or collected in databases and spreadsheets.
- Import current data from your hospital's laboratory information system or admissions and discharges from your hospital's A/D/T system using the StemSoft Health Level Seven (HL7) interface module and tool suite.



Generate Outcome Analyses

- Cross-departmental analyses is simplified using the common StemSoft CORE database. All departments have the ability to access data that is pertinent to their discipline while including data from other disciplines in their analyses. Select from the thousands of clinical, demographic, and insurance data fields available in BMTserve™; product and processing data fields available in StemLab™; or IBMTR/ABMTR and European registry data fields available in the BMTbase® Suite.
- Distribute your results using the integrated report and analysis distribution application. Any member of your program can quickly generate the reports and analyses you need on a daily basis. Each staff member can be granted secured access to the standard and customized reports they require.

BMTserve™ 3.0

BMTserve™ is a clinical and research application designed to help clinicians and transplant research coordinators manage the data generated by a blood and marrow transplant unit on a daily basis.

Manage Therapies

Use BMTserve™ to record all your patient's therapies.

- Create and maintain libraries of standard drug regimens. The regimen manager assists with protocol adherence while eliminating the need for repetitive data entry.
- Review the applied regimens by day in the Flow-Sheet view, or by month in the Calendar view. You can even generate Current Medication reports or Treatment Schedule reports with planned dates, drugs, and dosages.

Track Donors

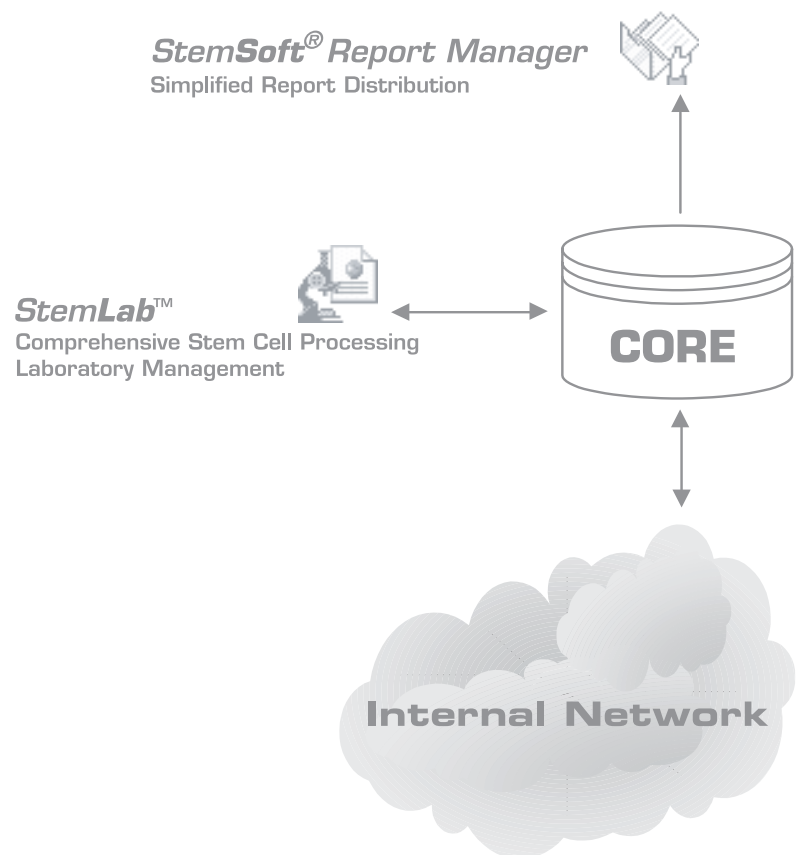
Record complete donor details including demographics, therapies, complications, procedures, and laboratory test results using BMTserve™.

- Correlate donor and patient data. Maintain a list of several potential donors and compare donor and patient lab tests on-screen or generate transplant summary reports with full donor information.
- Document all harvests. Record detailed harvest information including cell counts at harvest, processing, cryopreservation, and infusion.
- Coordinate with the lab. Cell processing data entered in StemLab™ automatically appears in BMTserve™, reducing costly duplicate data entry while simplifying the identification of available products.

Submit Registry Forms

BMTserve™ is fully integrated with the BMTbase® Suite of registry reporting and analysis applications. Validation tables are pre-populated with standard IBMTR definitions to ensure consistent data entry.

- No configuration is required to seamlessly export patient data from BMTserve™ to BMTbase®.
- Reduce data entry load by eliminating duplication of effort to complete your BMT registry submissions.



Record Complications

BMTserve™ makes it easy to record all your patients' complications including detailed site, grade, and stage information.

- BMTserve™ includes specialized windows for both Acute and Chronic Graft Versus Host Disease assessments.
- Produce detailed complication summaries and regimen related toxicities including related treatments and procedures.

...manage patient & product data...

Customize to Meet Changing Needs

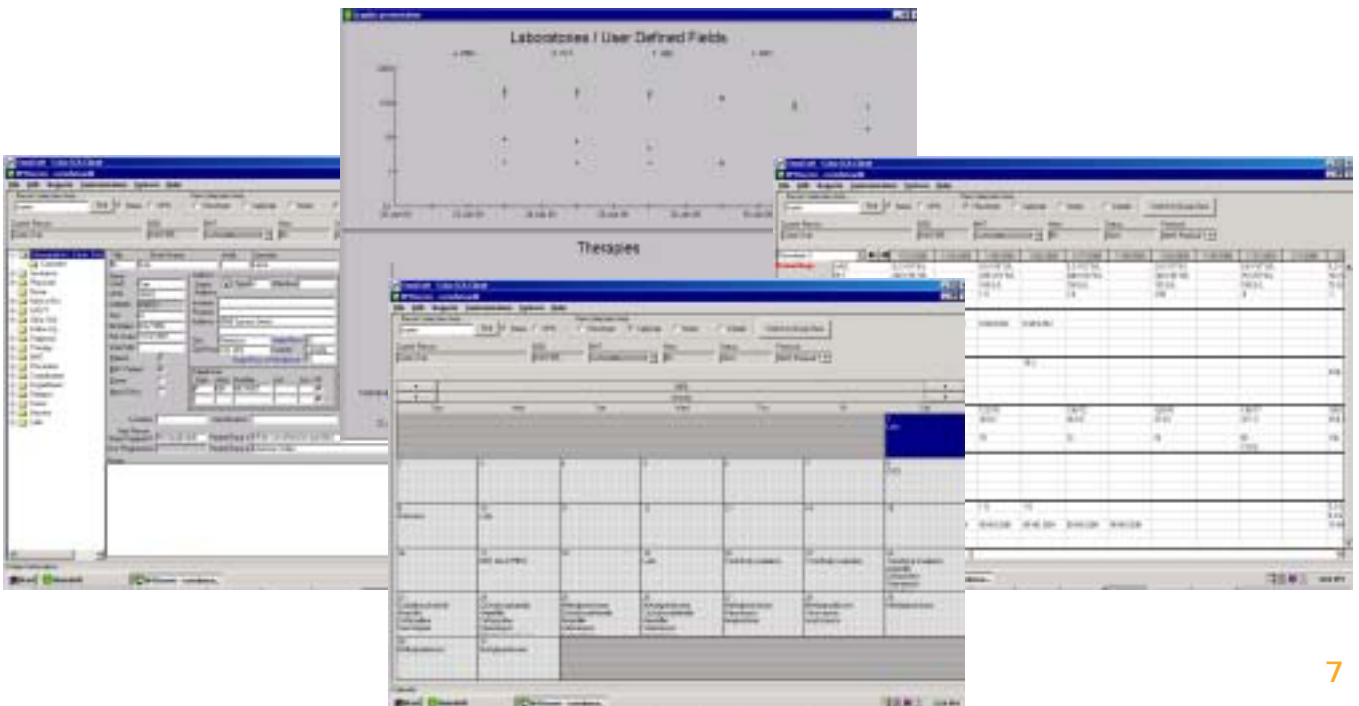
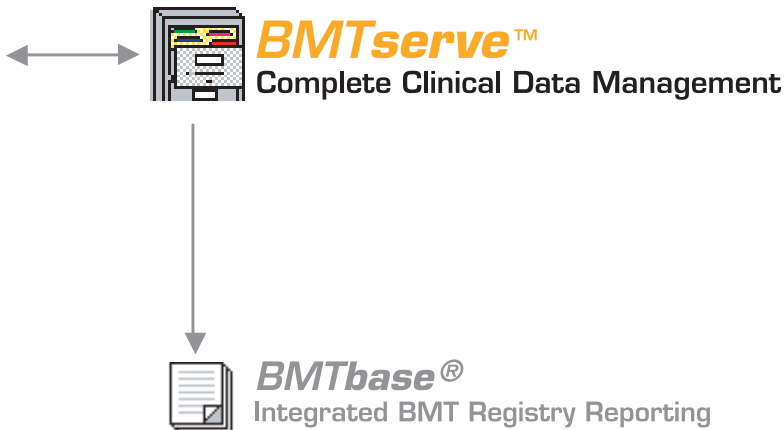
You can customize the values that you use to classify your patient data.

- Validation. Data entry personnel must select from a validation list when recording patient and product data, ensuring that your data is recorded and reported consistently and accurately. Authorized users can easily edit your institution's list of valid diagnoses, laboratory tests, medications and more. Use the values provided or adopt unique hospital standards.
- Growth. If your unique needs require additional data entry fields, you can create as many User Defined Fields as you like, and you can update your validation lists or create new User Defined Fields whenever you like - no programmer or technical support is required.

Flexible Views

BMTserve™ lets you view your patient data your way.

- The Flow-Sheet view is a user-definable summary of a patient's therapies, procedures, and complications. Data entered in the Detail view automatically appears in the Flow-Sheet view.
- The Calendar view is a monthly overview of a patient's therapies, complications, procedures, and other events. View detailed information for any day, including lab results, and clinic visit details.
- The Detail view lets you edit your patient data using specialized data-entry windows.
- The Group view quickly identifies patients by physician, protocol, or location. Generate quick patient list queries including types of complications or therapy regimens.



StemLab™ is a comprehensive cellular therapy laboratory information system that can record every product and processing detail from arrival at your laboratory through processing and engraftment.

Accessioning

When a product arrives at you lab, StemLab™ assigns unique accession numbers, generates labels and barcodes, and prints customized worksheets.



StemSoft® Report Manager
Simplified Report Distribution



StemLab™
Comprehensive Stem Cell Processing
Laboratory Management

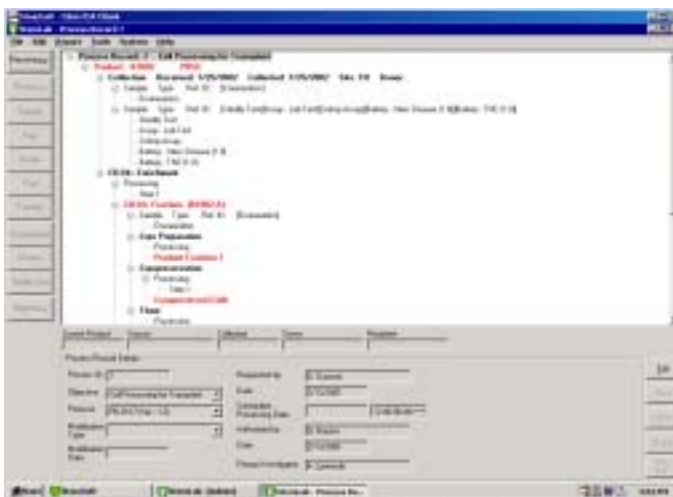


Consumables & Equipment Tracking

StemLab™ makes it easy for you to:

- Keep detailed records pertaining to all consumables and equipment used by your lab
- Track lot numbers, expiry dates, and quantities of consumables
- Ensure the ongoing maintenance and calibration of your equipment and generate reports for QC

Internal Network



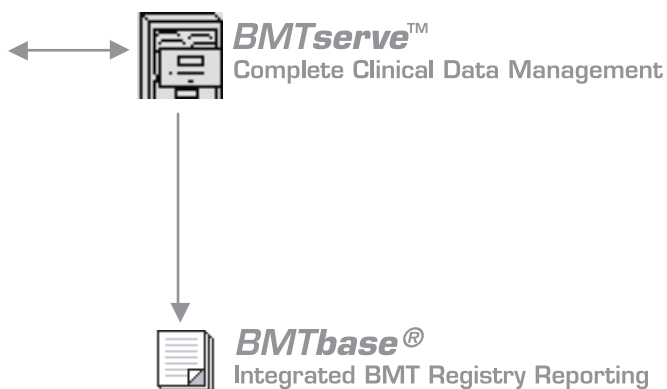
Processing

- Record and track all your processing steps
- Any lab values can be entered on the patient and/or product such as HLA results, ABO, etc.

...cellular therapy lab information system...

Product Inventory/Storage

- Inventory by patient
- Inventory by cell type and/or processing procedure
- Total available space and the next usable location
- Product sample inventory
- Cord blood storage



Infusion & Disposition

Track all pertinent information as to whether a product is infused, used for research, or discarded.

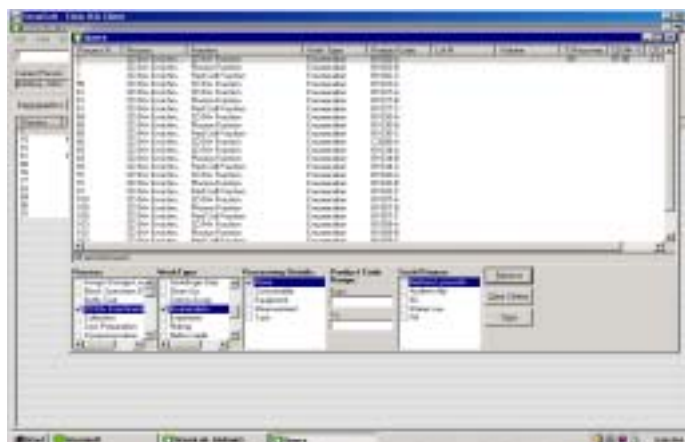
Outcomes

Correlate laboratory processing details and infusion cell counts with engraftment and other clinical outcomes.

Query Your Data

No specialist database knowledge is required to quickly analyze your StemLab™ data using the integrated Query module.

- Identify products by process, protocol, and technologists - view your results on-screen immediately.
- Initiating a query is easy - just point and click to define your search criteria! Copy and paste your query results into applications like Microsoft® Excel for further analysis and data validation.



StemSoft® Report Manager

StemSoft® Report Manager is a report distribution program designed to assist practitioners with the generation of standardized reports.

The screenshot shows a software window titled 'Current Complication Summary'. It contains a form with the following fields and values:

Your Hospital Name	
State: 330 - 777 West Broadway Vancouver, BC, Canada V5Z 4A1	

Current Complication Summary	
Name: Arif, John	UPN: 04209
Gender: M	Date Entered: 08/10/08
DOB: 12/10/50	Referral Date: 08/10/08
Notes: 0	BMT Patient: Y
DOB: 12/10/50	Class:
Diagnosis: M2081 CNA of Chronic: REMIT 12 Multiple myeloma	
BMT: BMT Recipient: M0 Date of BMT: 12/03/07 12 BMT Type: M2081	
BMT: BMT: 04-10-08	

AGVHD Scoring: **0** **1** **2** **3** **4** **5**

StemSoft® Report Manager
Simplified Report Distribution

StemLab™

Comprehensive Stem Cell Processing
Laboratory Management

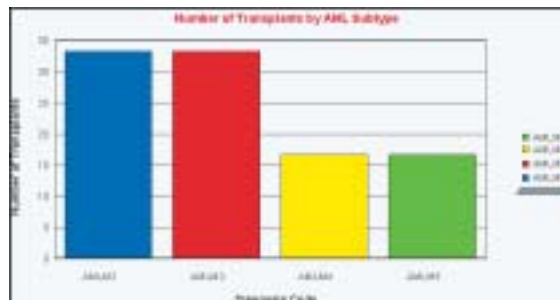


Produce Formatted Reports

You can use StemSoft® Report Manager to generate formatted reports and documents.

- Generate standard reports from StemLab™ and BMTserve™ data through StemSoft® Report Manager.
- Create custom reports using Crystal Decisions™ Crystal Reports®, the most popular database report writer in the world. A copy of Crystal Reports® is included with your StemSoft purchase.
- Add complex formatting including charts, pictures, colors, and your favorite fonts. Duplicate the reports you use every day like rounds lists, complication summaries, and current medication lists.

Internal Network

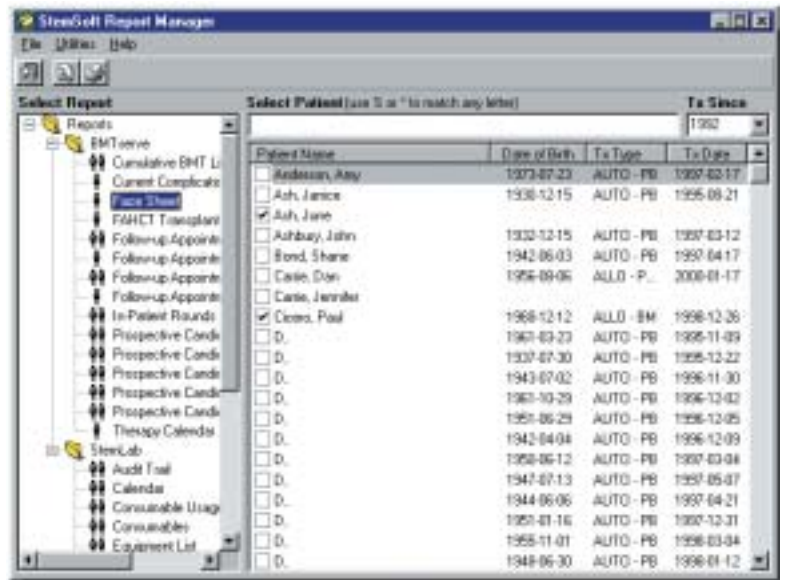
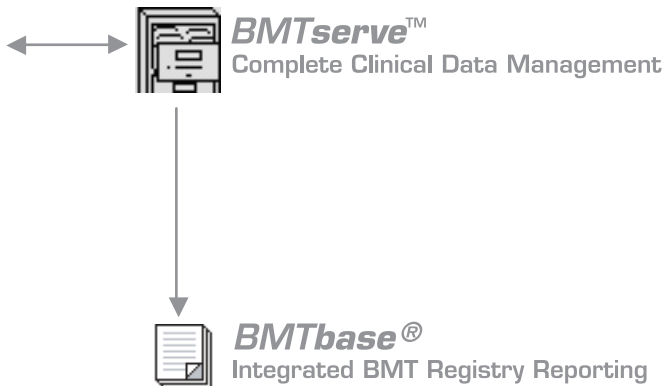


...customized report distribution...

No Data Conversion or Export

All your BMTserve™ and StemLab™ data is immediately available in StemSoft® Report Manager.

- As an integrated component of the StemSoft family of applications, StemSoft® Report Manager uses your live BMTserve™ and StemLab™ data to generate charts and reports you need in seconds.



Distribute Your Results

Anyone can use StemSoft® Report Manager:

- Prepare presentations quickly by copying StemSoft® Report Manager results and charts and pasting them into hundreds of popular Windows® applications, including Microsoft® Word and Microsoft® PowerPoint.
- Review current data on a scheduled basis for Quality Control reports.
- E-mail selected reports directly from StemSoft® Report Manager to selected recipients.
- Distribute new reports and analyses to all StemSoft® Report Manager users, or limit access to specific reports and analyses to authorized users only... the choice is yours!



BMTbase[®] Suite

BMTbase[®] is a suite of blood and marrow transplant registry reporting and analysis applications that can be used to produce, submit and analyze every BMT registry report.

Complete Transplant Essential Data Forms

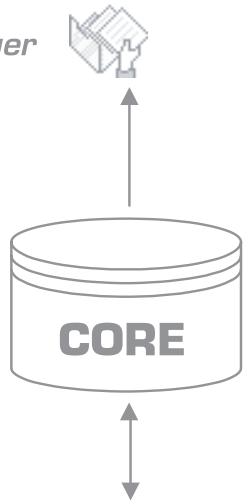
You can quickly complete any of the Transplant Essential Data forms using BMTbase[®] TED forms which include:

- Pre-Registration
- M-TED
- TED
- TED Follow-up

The image displays two screenshots of the BMTbase TED (Transplant Essential Data) forms. The top screenshot shows a 'Patient 36 of 112' form with fields for Patient ID, Last name, First name, Date of birth, Sex, Ethnicity, and various transplant-related details like Primary disease diagnosis, Date of diagnosis, Transplant date, and Graft type. The bottom screenshot shows a 'Patient 44 of 237' form with similar fields, including a 'Transplant Report' section with checkboxes for 'IBMTR/ABMTR' and 'European' registries.

StemSoft[®] Report Manager
Simplified Report Distribution

StemLab[™]
Comprehensive Stem Cell Processing
Laboratory Management



Complete BMT Registry Reporting Forms

BMTbase[®] Reports makes it easy for you to complete the detailed IBMTR/ABMTR and European reporting forms which include:

- Core form
- Graft specific inserts
- Disease specific inserts

Submit Electronically

Submit your registry reporting forms to the IBMTR/ABMTR using BMTbase[®] Export.

- Eliminate costly couriers and faxes by submitting your BMT registry reports on diskette or via e-mail.

...integrated statistical analysis...

BMTstats™

You can use BMTstats™ to quickly generate statistical analysis results based upon your BMTbase® Reports and BMTbase® TED databases.

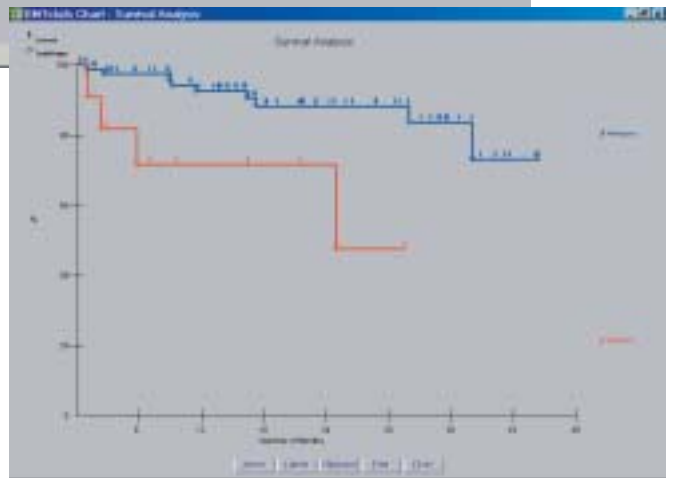
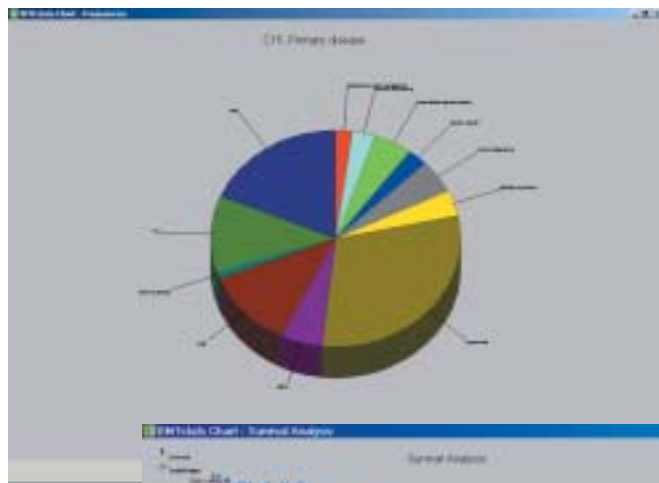
- Generate Survival Analyses including Kaplan Meier curves.
- Produce Cross-Tabulations with stacked bar charts.
- Create Frequency Analyses including bar and pie charts.



BMTbase® Suite

Integrated BMT Registry Reporting

- BMTbase® TED**
Transplant Essential Data Forms
- BMTbase® Reports**
Complete European and IBMTR/ABMTR reporting forms
- BMTstats™**
Integrated statistical analysis
- BMTbase® Export**
Electronic IBMTR/ABMTR submission

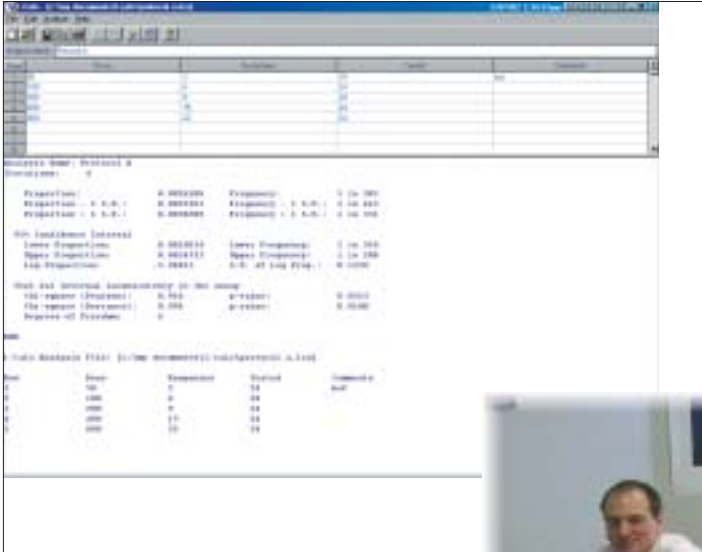


Generate Statistical Analysis

- Your analyses and reports can include any of the thousands of IBMTR/ABMTR or European registry data fields available in the BMTbase® Suite.

Associated Products

StemSoft offers several associated products to meet needs which our clients have identified.



L-Calc™

Limiting Dilution Analysis (LDA) is applied in many areas of research including cell biology, immunology, hematology, microbiology and virology. The aim of such analyses is to estimate the frequency of a cell (within a cell population) capable of a defined responsiveness.

L-Calc™ will assist you in analyzing the results of your limiting dilution analysis. For each experiment, values corresponding to dose (i.e. cells per well), total number of positive responses obtained per dose, and total number of replicates tested (i.e. total number of wells used per cell dose) are entered. From these data, the frequency of cells within a given cell population capable of a defined response is determined.

L-Calc™ can also be used as a guide to assess differences between paired sets of limiting dilution analyses. A statistician should be consulted to perform the appropriate comparison.



TED on the Web

Designed to meet the needs of national registries and reporting organizations, TED on the Web offers BMT registries a simple, web-based solution for collecting and storing transplant data from distributed teams. Data is collected through a secure web site and stored in a relational database, eliminating time-consuming and labor-intensive manual data collection and transcription. Submitted data is validated during data entry and can be further reviewed and analyzed with common applications.

...staff scheduling & SOP management...

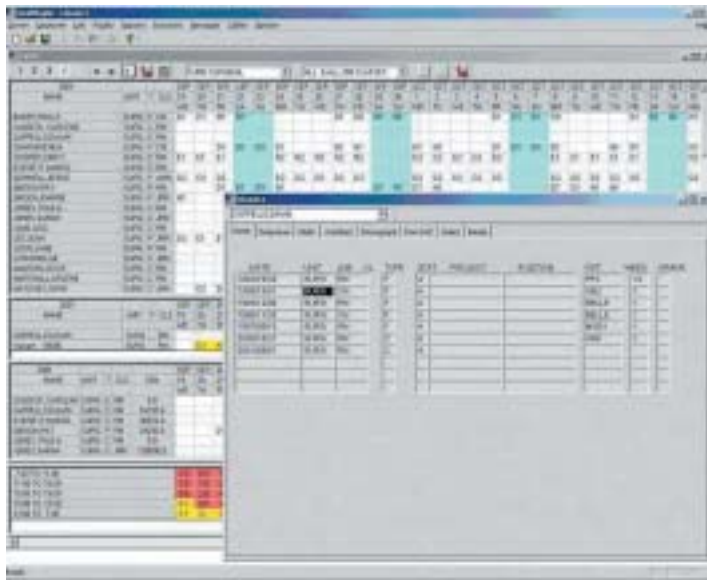
Loki StaffRight®

The StaffRight® system is a comprehensive solution to your staff scheduling problems. Daily tasks, like balancing workload across units, tracking multiple activities for individual employees, and calling in staff by skill and availability to meet fluctuating demands, are accomplished quickly and easily. On-going and long-range management information is provided, including attendance tracking, timekeeping, and reporting.

StaffRight®. The ultimate staff management system for complex labor environments.

StaffPay. A payroll preprocessor and interface module that automatically calculates all premiums and exports to any payroll system.

StaffRefresh. A payroll or human resources system interface that automatically updates StaffRight® with employee, job, and entitlement bank information.



StemSoft ezManuals

StemSoft ezManuals is a web-based policy and procedure manual management system. ezManuals helps you manage and distribute all your Standard Operating Procedures (SOPs), Policy manuals, Drug manuals, Grant Proposals, and any other publication quickly, easily, and affordably. Organize and share individual publications securely online using standard word processing software (MS Word, Excel, Acrobat) at the touch of a button. StemSoft ezManuals:

Saves Time & Money

- Maintain & edit all your manuals in a single location
- Reduce your printing costs - Now all your staff can print off the latest version of a form at the touch of a button
- Reduce IT costs - Anyone with access rights can publish or update documents

Increases Quality Control & Risk Management

- Be confident staff are always accessing up-to-date procedures
- Automatic notifications communicate important document updates quickly and easily to users
- Each user requires only an Internet connection, user ID, and password
- Complete audit trail of your document revision history

Increases Efficiency on the Ward

- Simultaneous access to publications for all your staff
- Save time with a powerful search feature using word(s), phrase(s), or synonym(s) to locate documents

Low Risk Involved

- No expensive hardware or software to buy
- Low monthly fee
- Free 30-day risk-free trial available

Customer Services

StemSoft provides complete life cycle support for all products sold.



Annual Maintenance and Support Plan

The StemSoft Annual Maintenance and Support Plan is your assurance that your investment in StemSoft software remains current.

Receive unlimited technical support. Annual Maintenance and Support Plan members are entitled to unlimited telephone, fax, and e-mail customer support.

Obtain free upgrades. Annual Maintenance and Support Plan members receive all product upgrades as soon as they are released.

Training

Training sessions for both new and experienced users are available and a customized training session can be created to meet your unique needs.

Attend a hands-on class.

Log on to an internet-based training session.

On-site training.



Project Management and Workflow Analysis

StemSoft consultants can help you assess and manage the impact that the StemSoft family of applications will have on your ward, clinic, and lab. An analysis of the resources required to install, implement, and use BMTserve™, StemLab™, StemSoft® Report Manager, and the BMTbase® Suite can be produced and a StemSoft consultant can help your team prepare for these changes.

Professional Services

Data Conversion

StemSoft consultants can convert your existing patient or product data from many formats, including Microsoft® Excel, Paradox®, Microsoft® Access, and IBMTR/ABMTR, into your new StemSoft database.

Custom Report Writing

StemSoft consultants can produce customized reports that meet your unique Insurance, FACT, clinical, or regulatory reporting needs.

Custom Web Forms

StemSoft consultants can produce web-based data entry forms to meet the unique requirements of specific staff. Data entry and retrieval can be accommodated and the web-based forms can be deployed over your hospital's intranet!

Hardware Selection and Configuration

StemSoft consultants can specify server requirements, provide you with estimated costs, present you with alternative solutions, and can even configure your hardware and software.

Database Installation and Configuration

StemSoft consultants can assist you with the installation and configuration of your database. Performance tuning assistance is also available as your use of the StemSoft family of applications progresses.

HL7 Interfaces

The StemSoft Health Level Seven (HL7) interface module can be customized to import data from your existing HL7 enabled hospital systems. You do not need to purchase duplicate interfaces for your stem cell processing lab, ward, and clinic because data is imported into the common StemSoft database. HL7 is the recognized healthcare industry database integration standard, so you can rest assured that your StemSoft HL7 Interface investment is compatible with a wide range of hospital systems.



System Requirements

Client Workstation Requirements

	<i>BMTserve™</i>	<i>StemLab™</i>	<i>StemSoft® Report Manager</i>	<i>BMTbase® Suite</i>
Minimum Processor	Intel® Pentium	Intel® Pentium	Intel® Pentium	Intel® Pentium
Minimum RAM*	64 MB	64 MB	64 MB	32 MB
Minimum HDD*	100 MB	70 MB	25 MB	120 MB **
Operating Systems	Windows™ 98, 2000, XP Windows™ NT 4.0 or higher	Windows™ 98, 2000, XP Windows™ NT 4.0 or higher	Windows™ 98, 2000, XP Windows™ NT 4.0 or higher	Windows™ 98, 2000, XP Windows™ NT 4.0 or higher
Minimum Video	800/600 256 Colors	800/600 256 Colors	800/600 256 Colors	800/600 256 Colors
CD-ROM Drive	Required	Required	Required	Required
Microsoft® or compatible mouse	Required	Required	Required	Required
Database Connectivity†	ODBC	ODBC	ODBC	ODBC/Visual FoxPro

* Minimum memory and hard-disk space requirements are in addition to those required by your operating system.

** The amount of disk space required by the BMTbase® Suite will increase as you add patient data.

† To ensure that correct ODBC drivers are installed, Microsoft® Data Access Components (MDAC) is automatically installed.

Client Information

- The installation CD was produced using InstallShield™.
- Program icons are created in the Start Menu. A common application launch icon is created on the Desktop.
- All DLLs are automatically installed in the System folder.
- All StemSoft applications are installed in unique subfolders of the C:\Program Files\StemSoft folder. The default directory can be changed.

...StemSoft: the world leader in BMT software...

Server Requirements

	<i>BMTserve™</i>	<i>StemLab™</i>	<i>BMTbase® Suite†</i>
Minimum Processor*	Intel® Pentium	Intel® Pentium	None Required
Minimum RAM*	64 MB	64 MB	None Required
Minimum Disk Space*	500 MB	500 MB	100 MB
Growth Rate	1.1 MB Per Patient	1.1 MB Per Patient	10 Kb Per Patient
RDBMS	Microsoft® SQL Server 2000, Oracle® 8i+, Oracle® 9i+.	Microsoft® SQL Server 2000, Oracle® 8i+, Oracle® 9i+.	None Required

* Minimum memory and hard-disk space requirements are in addition to those required by your server operating system.

† The BMTbase® Suite does not require a server, RDBMS, or specific server operating system. BMTbase® database files can be shared on a file server that supports long filenames.

Database Server Information

- As a client/server system, BMTserve™, StemLab™, and StemSoft® Report Manager requires a Relational Database Management System (RDBMS). All applications can share a single RDBMS. The BMTbase® Suite does not require an RDBMS.
- Microsoft® SQL Server™ 2000, Oracle® 8i+, Oracle® 9i supported.
- The BMTserve™/StemLab™ database requires a minimum of 500MB. The database can be partitioned. The same minimum space is required when installing both products simultaneously.
- You must provide your own RDBMS and client licenses. StemSoft will provide a batch file and SQL scripts to create the database on your RDBMS. StemSoft will provide support to your Database Administrator during database set-up.
- Your server hardware requirements will depend on the number of users you wish to support and the volume of data you expect to collect. Please consult your RDBMS documentation for supported network operating systems, minimum requirements and recommended configurations.



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