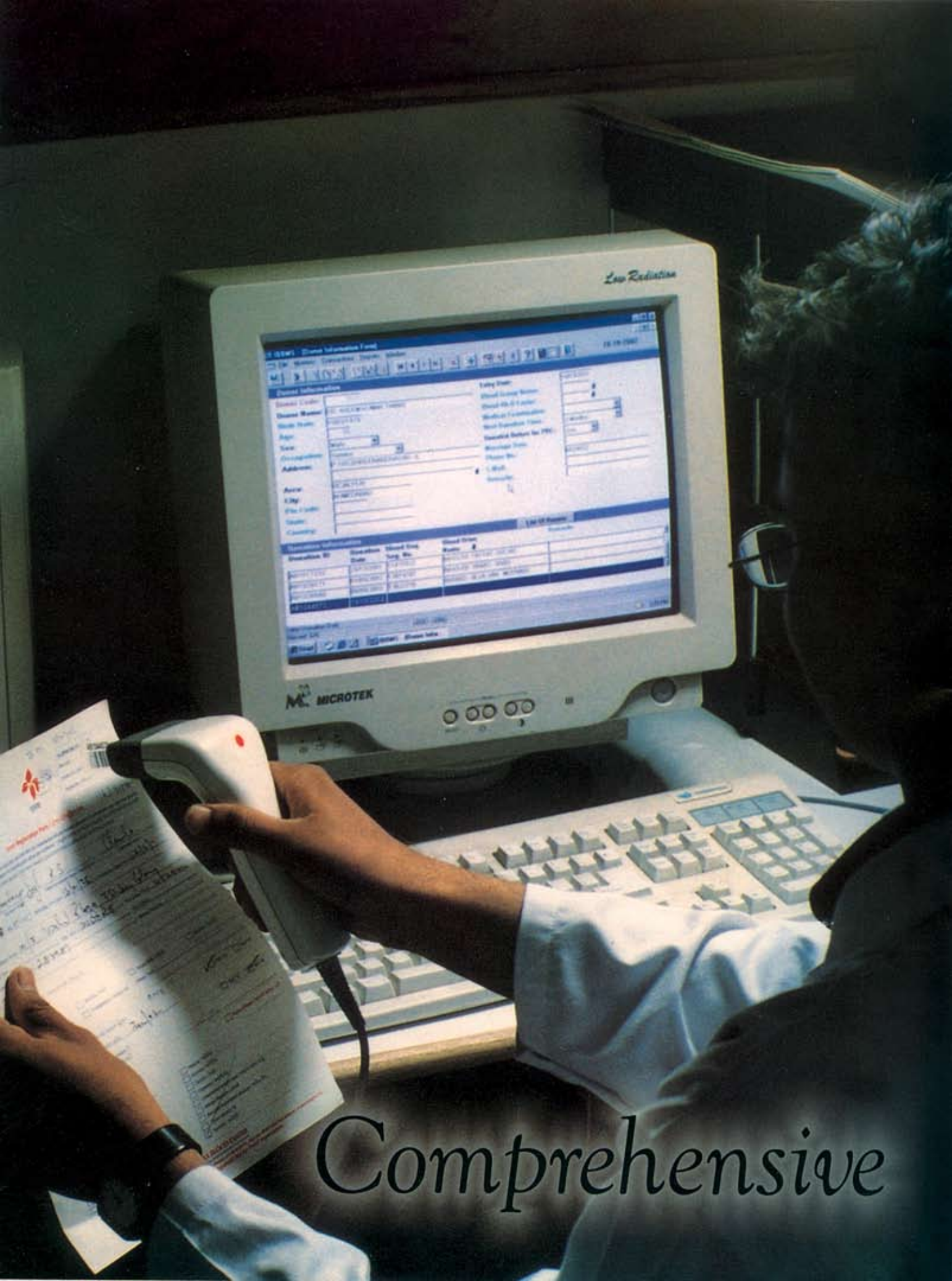


AC-1 REF  
**CONCENTRATE OF HUMAN RBC**  
 ADENINE - SALINE ADDED  
 350 ml  
 VOLUNTEER  
 Rh Positive  
 EXPIRES  
 CONCENTRATE OF HUMAN RBC  
 O<sup>+</sup>  
 Negative for HIV 1&2, HCV, Malaria, Syphilis, HepBisAg  
 EXPIRY DATE:  
 PRATHAMA BLOOD CENTRE  
 Code F4R1474  
 Lot M9627643  
 Mfg 27-07-98  
 Exp 27-01-01  
 PL 146  
 AB1000086  
 04210

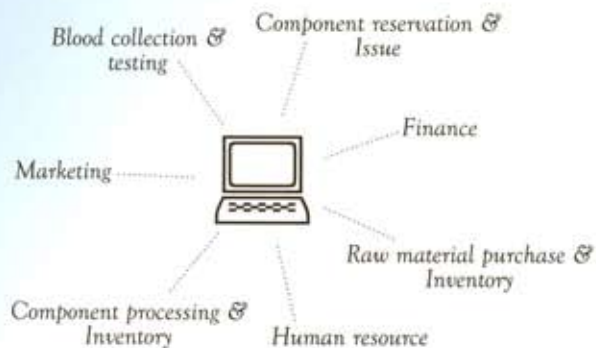
**व्यान्**  
**vyān**  
 Version 2.0

*all pervading vital energy*  
 Integrated Blood Bank Management System



Comprehensive





Vyān is an integrated enterprise wide solution that was created in India in 2000. Contemporary to softwares with similar features in developed countries, it is available at a fraction of cost and with full-fledged support and maintenance mechanism.

Vyān networks all blood-banking functions with use of barcode systems and its multi-faceted data capture and data sharing mechanism. It has core modules viz.

- ▶ Blood collection and testing
- ▶ Component processing and inventory
- ▶ Component reservation and issue
- ▶ Raw material
- ▶ Marketing
- ▶ Human resource
- ▶ Financial accounting

The software auto produces more than 100 different kind of reports for efficient running of the blood bank. This includes all FDA required reports.

Vyān can be installed partially or fully as per the need of the blood bank and can be easily upgraded in the future.

*"I have seen many softwares currently available, however, none is anywhere close to Vyān in terms of making blood banks truly automated."*

Aseem, MD (Path.)  
Technical Director







# PRATHAMA BLOOD CENTRE

SEWANGI EDITHANAYAKUM BASTIAN RESEARCH FOUNDATION  
5/1, Anna Salai, Chennai - 600 002, Tamil Nadu, India  
Ph: +91 44 2422 7411, Fax: +91 44 2422 7412  
www.prathama.org

Donor Registration Form  
31-12-2007

AB1001296



## AS-1 RED BLOOD CELLS ADENINE-SALINE ADDED

15.4 mEq Sodium Added 04210  
From 450 mL  
CPD Whole Blood  
Store at 1 to 6 C.

See circular of information or applicable  
blood bank requirements and local  
regulations.  
**VOLUNTEER DONOR**  
This product may transmit infectious agents.  
Caution: Federal law prohibits dispensing without  
a prescription.

**PROPERLY IDENTIFY INTENDED RECIPIENT**  
Baxter Healthcare Corporation  
Permal Division  
Deerfield, IL 60015 USA  
7-17-31-167 5MH150  
PL 146 Plastic

Marketed in India by  
**Baxter (India) Pvt. Ltd.**  
Rohtak Road, N. Delhi - 41, India  
Form-10 Licence No-584

EXPIRES

AB1001296



ANTICOAGULANT  
CITRATE  
PHOSPHATE  
DEXTRSE  
SOLUTION, USP  
63 mL Anticoagulant Citrate Phosphate  
Dextrose Solution, USP for erythrocytes  
450 mL blood. Each 63 mL of solution  
contains 1.56-g Sodium Citrate (USP),  
USP, 1.61 g Dextrose (monohydrate),  
USP, 166 mg Citric Acid (monohydrate),  
USP, 140 mg Monobasic Sodium Phosphate  
(monohydrate) USP. pH may have been  
adjusted with sodium hydroxide.

**CAUTION: Refer to Instructions for Use.**  
Unused unit may be stored within the foil  
pouch up to 60 days by folding and  
securing open end of foil pouch. Unit  
may be stored not more than 4 days  
outside of foil pouch.

Affix  
Collection/Processing  
I.D. Label Here

Code F4R1474  
LOT M00G27057  
MFG 27-07-00  
EXP 27-01-03



EXPIRES



100 mL containing 2.2 g Dext  
(monohydrate) USP, 900 mg S  
Chloride USP, 750 mg Mannit  
and 27 mg Adenine USP  
Contains 15.4 mEq Sodium  
**CAUTION: Refer to instruction**

**PL 146**

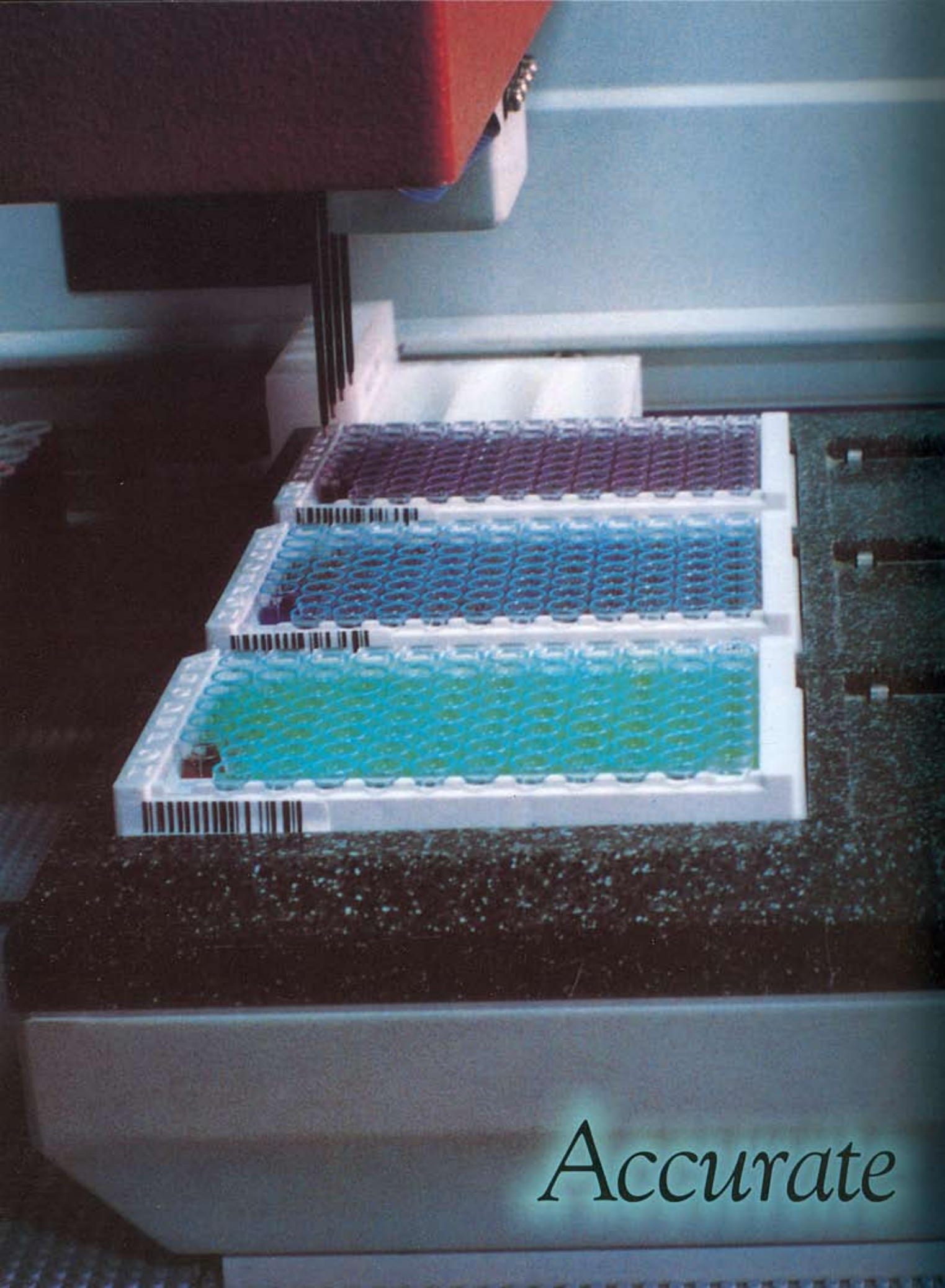
Affix  
Collection/Processing  
I.D. Label Here

LOT M00G270  
MFG 27-07-0  
EXP 27-01-0

# Integrated







*Accurate*





Vyān renders the blood bank almost paperless. The software links up the blood testing machines with donor database, product database and patient database. Through this integration, large number of screening and blood grouping is performed accurately and efficiently. Vyān has taken away the fear of mistakes and infused high confidence in the medical team with its fault free performance.

At a given point of time, the blood bank can have a large number of different components. Our unique system can help trace and locate any unit instantly. The software ensures First in First Out (FIFO) and a unique online stock information.

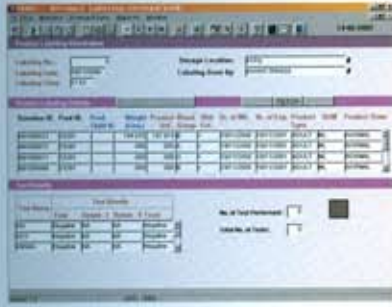
*"Life was never so anxiety free.  
Now I find more time for research  
and education."*

**Harimurthy**  
Manager, Lab Function









The composite labels and blood issue labels, are auto generated intelligently by assimilating relevant information from different sources. This totally eliminates the chances of error.

Along with Vyān we offer indigenously developed array of barcode stationary right here in India at a fraction of international cost. These are specially developed to withstand extreme temperature variance.

*"In my previous job, I would spend entire day writing blood bag labels and maintaining records.*

*Not any more."*

**Ashish**  
Lab Scientific Officer



Blood Component Issue Report  
 Issue Date: 26/02/04  
 Patient Name: KOKILABEN KANUBHAI PATEL  
 Name of Doctor: AJAY PATEL  
 Requisition ID: PB00089650  
 Sex: FEMALE  
 Prod. Name: FFP  
 Volume: 0  
 Cross Match Result: (if required)  
 Date of Donation: 14/02/2005  
 Date of Expiry: 13/02/2005  
 Blood Group: O+

Screened for HIV, HT Ag, HCV, Syphilis & Malaria  
 ASHVA  
 26/2/04  
 AUTHORIZED SIGNATOR

**FFP ISSUE LABEL**

Requisition Id.:   
 Patient: KOKILABEN KANUBHAI PATEL  
 Age: 72(yr) sex: Female Bl.group: O+  
 Hospital: S.A.L. HOSPITAL & MEDICAL INSTITUTE  
 is being issued FRESH FROZEN PLASMA  
 bearing Donation Id:   
 Bl.group : O+  
 On : 26-FEB-04

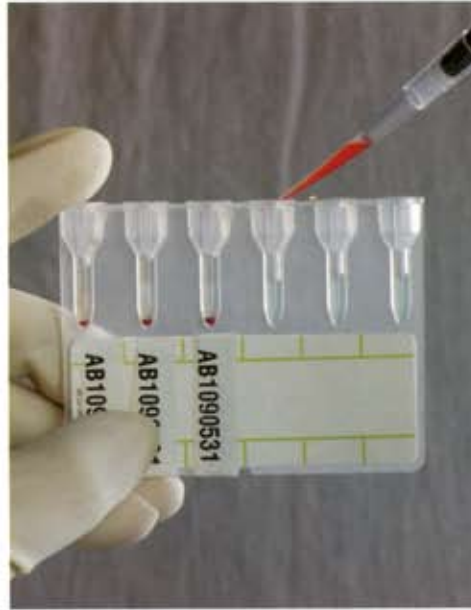
 PRATHAMA BLOOD CENTRE  
 Vasna, Ahd-7 India. Ph: + 91-79-6600101  
 FDA Licence No: GB/96

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 PRATHAMA BLOOD CENTRE  
 Vasna, Ahd-7 India. Ph: + 91-79-6600101  
 FDA Licence No: GB/96

*Error Free*





The system holds a comprehensive patient database. Each patient request meticulously bar coded, would generate a corresponding issue label, and issue report. Capture of the patient information through hand held scanners makes the system further faultproof.

The system is geared up to deliver a unique blood reservation system and incorporates predefined service charges & subsidy structures to generate accurate service charge invoice for every component issued.

*"We issue more than  
200 components per day.*

*It would have been a  
Herculean task without Vyān."*

**Jyoti**  
Lab Scientific Officer





LISS/Coombs  
LISS/Coombs  
LISS/Coombs  
LISS/Coombs  
LISS/Coombs  
LISS/Coombs

SURGICARE  
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SURGICARE

AB AB AB AB  
AB AB AB AB  
A A A A  
A A A A  
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O O O O

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Disinfectant

*Meticulous*





The software enables the practices of Just In Time (JIT) and FIFO. It supports integrated stock maintenance for multiple locations, online stock statement, stock ledger and inventory evaluation. It can auto generate purchase orders, Good Received Note (GRN) etc

The finance module contains all major entities of a traditional finance system like ledger, and voucher maintenance. It can segregate cost centrewise financial information, generate trial balance, profit and loss, fixed assets monitoring and reconciliations.

The human resource module maintains all employee information and records training, leave, loan information along with salary registers, pay structures, P.F. forms and medical insurance details.

*“The user friendly software ensures efficient manpower utilization and makes our blood bank a more attractive place to work as it opens up newer horizons and possibilities for creativity.”*

**Padma**  
Coordinator, HR



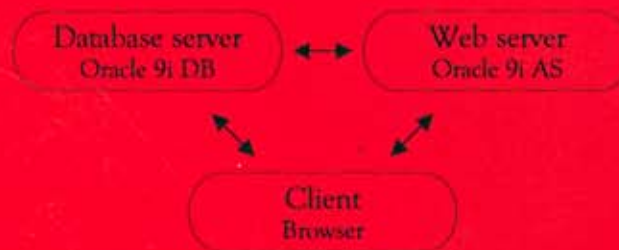
# Technical Specifications

## Tools - Technologies

- ▶ Multi Tier (Web based client)
- ▶ O.S.                      Windows NT
- ▶ Web server              Oracle 9i AS
- ▶ Case tool                Designer 2000
- ▶ RDBMS                  Oracle 9i DB

## System Architecture

Web based - Multi tier



## PRATHAMA BLOOD CENTRE

ADVANCED TRANSFUSION MEDICINE RESEARCH FOUNDATION

B/h Jivraj Mehta Hospital, Dr. C. V. Raman Marg, Vasna, Ahmedabad-380 007. Gujarat. INDIA.

Phone : +91-79-266 00 101, Fax : +91-79-26611850

Helpline : 98796 08641, 98796 08642

Web Add. : [www.prathama.org](http://www.prathama.org), E-mail : [info@prathama.org](mailto:info@prathama.org)