



Enhancing Safety. Creating a Difference.

Presenting Nucleic Acid Testing (NAT), a technology that reduces the window period and detects more infectious donations than current tests performed by most of the blood banks. This internationally adopted system can detect very small amounts of genetic material of the virus by copying the genes numerous times, resulting in a billion-fold amplification of the target gene. It's our way of ensuring that the future is safe for everybody...



Jeevan
Connecting Lives

Improving Blood Safety

Safety is of paramount importance when it comes to blood transfusion. At Jeevan, we always strive to maintain stringent safety standards and provide blood components that have been collected and tested using the latest technologies.

In tune with our beliefs and practices, we have now introduced **Nucleic Acid Testing (NAT)**.



What is NAT?

NAT is a FDA approved test for screening donors of whole blood and blood components intended for use in transfusion. This test system can simultaneously detect the presence of HIV, Hepatitis B and Hepatitis C in blood and is expected to further ensure the safety of blood and blood components by permitting earlier detection of life threatening HBV, HCV and HIV infections in donors.

Jeevan has implemented Nucleic Acid Testing (NAT) to detect viral DNA / RNA in every unit of donated blood for Hepatitis C, Hepatitis B and HIV 1 from 14th April 2008.

Why NAT?

NAT reduces the window period of the infections transmitted by transfusion as follows:

Virus	ELISA alone	ELISA and NAT
Hepatitis C	58.3 days	4.9 days
Hepatitis B	53.3 days	35.4 days
HIV	20.3 days	5.6 days

In addition to NAT, Jeevan tests every unit of blood for Hepatitis B(HBsAg and Anti HBc), Hepatitis C (Anti HCV), HIV 1 & 2 (HIV Antigen & Antibodies), and Leptospira (IgM antibody) by ELISA, Malaria by Chromatography, Syphilis and SGPT (Photometry). The tests and the panel far exceed national recommendations to enhance blood safety.

Are there any additional costs?

Jeevan is a not-for-profit organization. To recover the cost of NAT, ALT and Leptospira testing Jeevan will collect an additional fee of Rs.500 for RBCs, Rs.300 for Platelet concentrates and Rs.250 each for FFP and Cryoprecipitate.

This minimal amount will ensure that patients receive blood of unparalleled safety.

Jeevan Milestones

- 1995 - Established the first 100% component blood bank in India.
- 1995 - Introduced HIV Antigen and Core Antibody to HBV testing.
- 1999 - First blood centre to be certified to ISO 9002 standards. Currently certified to ISO 9001:2000 standards - only centre in South India complying with ISO standards.
- 2000 - Established the first satellite blood centre in India through a special GO issued by the Govt. of Tamil Nadu.
- 2000 - Introduced the concept of blood donation in a state-of-the-art, fully air-conditioned vehicle to facilitate blood donation in offices and residential areas.
- 2002 - Presented at the International Society of Blood Transfusion Congress on "Leptospirosis – An emerging Transfusion Transmissible Infection". First publication linking this new infection to transfusion in endemic region.
- 2004 - Recognised by Give Foundation (www.giveindia.org) as an approved Charity Organisation.
- 2006 - Launched the MakeBloodFree (www.makebloodfree.in) Programme with the support of Rotary Club of Madras Metro. The programme currently supports Tanker Foundation and Cancer Institute.
- 2007 and 2008 - Organised National Workshop on Red Cell Serology with Faculty from USA.
- 2007 - Recognised as a DSIR organisation to promote research and development in the field of transfusion medicine.
- 2007 - Started offering Peripheral Blood Stem Cell harvest facility.
- 2008 Jeevan will launch a Public Cord Blood Bank to help children with Leukemia and Thalassemia

About Jeevan

Jeevan Blood Bank and Research Centre was started on 24th September 1995 with the vision of providing, on demand, safe blood and blood components collected from non-remunerated voluntary blood donors using appropriate and current technologies in accordance to international standards.

Jeevan is a not for profit community blood bank managed by a Board of Trustees. Over the past twelve years Jeevan has collected over 69,000 blood donations and made available over 120,000 units of safe blood and blood components to the community.

For any information please call 28351200 or 243524242 between 9 am and 4 pm.



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