



newsletter

National Dope Testing Laboratory

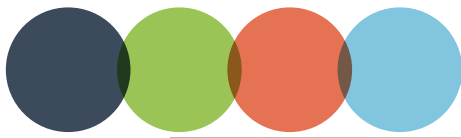


VOL 5 | ISSUE 1 | AUGUST, 2025



RESEARCH FOR
A DOPING-FREE FUTURE

PROMOTING
ANTI-DOPING
SCIENCE &
RESEARCH



1. Introduction

2. Objectives

3. Achievements

- ➔ Testing of Dope Control Samples
- ➔ Testing for Paris 2024 Paralympic Qualifiers)
- ➔ Excellence in Hindi Language Implementation
- ➔ Inauguration of WADA-Accredited Athlete Passport Management Unit (APMU)
- ➔ NDTL Annual Conference 2025

4. Research & Innovation

- ➔ Synthesis of Reference Materials
- ➔ Renewal of Memorandum of Understanding (MoU) with IIIM, Jammu
- ➔ Research publications

5. Accreditation:

- ➔ WADA Accreditation Renewed for 2025

- ➔ Proficiency Testing of WADA EQAS / CSCQ

- ➔ Inclusion of the New Methods of Analysis in the Scope of Testing

6. Workshop & Webinar:

- ➔ Sport India Expo 2024

7. Important Meetings

- ➔ 8th & 9th Scientific Advisory Board (SAB) Meeting
- ➔ 8th WAADS Quality Manager Meeting at Dresden, Germany
- ➔ 20th Governing Body Meeting
- ➔ Global Task Force Meeting on Traditional Pharmacopoeia
- ➔ Ethics Committee Meeting

8. Training Program

- ➔ Training to Junior Residents of MD Sports Medicine
- ➔ Training for Doping Control Officers (DCOs) and Blood

Collection Officer (BCOs) on Dope Control Sample Handling Protocols

- ➔ Virtual training on Athlete Passport Management Unit (APMU)
- ➔ Training to Major from Central Military Veterinary Laboratory (CMVL), Meerut
- ➔ Training to NDEHMS Officers
- ➔ APMU Training by WADA Experts

9. Important Celebrations.

- ➔ 78th Independence Day
- ➔ Hindi Utsav -2024
- ➔ Swachhata Hi Seva Abhiyan 2024
- ➔ Vigilance Awareness Week 2024
- ➔ International Women's Day 2025

10. Visit at NDTL

- ➔ Hon'ble Minister of Youth Affairs and Sports

- ➔ Visit of Secretary (Sports)
- ➔ Forensic Science Laboratory Visit
- ➔ UAE NADA President and Vice President
- ➔ ICMR Delegates
- ➔ Pharmacy Students
- ➔ International Customs Laboratory Personnel from CRCL
- ➔ International Delegates Visit NDTL under WADA's GLDF Training Program
- ➔ Vice Chancellor of DPSRU
- ➔ Students from Jamia Hamdard
- ➔ Students from SGT University
- ➔ Sports Nutrients Students from Manav Rachana IIRS University
- ➔ Assistant Secretaries
- ➔ Students from KR Mangalam University
- ➔ Interns from NCSSR

From the desk of the Director

It is with immense pride and satisfaction; I present you 2025 edition of the National Dope Testing Laboratory (NDTL) Newsletter, a reflection of our journey through a period of transformative achievements, international recognition, and unwavering scientific pursuit in support of clean and fair sport.

The past year has been a landmark phase for NDTL defined by operational excellence, strategic advancements, and our growing stature in the global anti-doping ecosystem. Between August 2024 and April 2025 alone, the Laboratory successfully analyzed over approx. 7856 urine and blood samples, meeting the critical demands of major international sporting event, including the Paris 2024 Paralympic Qualifiers. Our capability to scale up testing while maintaining WADA-compliant precision demonstrates the scientific rigor and reliability of our laboratory.

One of the most significant milestones achieved this year was the renewal of our WADA accreditation 2025 and the formal recognition of our Athlete Passport Management Unit (APMU) by WADA, a status granted to only 17 laboratories worldwide. This recognition reaffirms the trust placed in NDTL's scientific and ethical standards and marks a major step in expanding our longitudinal monitoring of athletes using biological profiling. Our research and innovation ecosystem

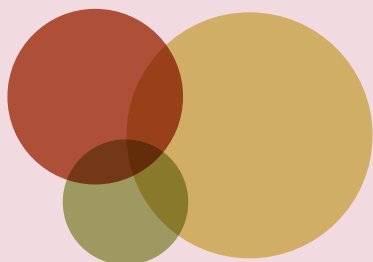


continues to thrive through productive research collaborations with premier scientific institutions like CSIR-IIIM Jammu and NIPER-Guwahati, for enabling the synthesis of over 20 rare Reference Materials (RMs), including critical compounds such as Molidustat N-Glucuronide and Metandienone LTM etc... These developments are not only our analytical capabilities but also contribute to the global anti-doping Science community. Participation in global Proficiency Testing programs such as WADA EQAS (External Quality Assurance Scheme) and CSCQ Proficiency Testing, combined with internal iQAS (Internal Quality Assurance Scheme) and compliance audits by entities like CAG and MYAS, underscores our commitment to transparency, Quality Assurance of the Laboratory and continuous improvement. The Laboratory's robust internal systems and accountability frameworks remain foundational to our credibility. The NDTL Annual Conference 2025 on "Anti-Doping Science: Innovations and Challenges", was inaugurated by Hon'ble Minister Dr. Mansukh Mandaviya, served as a national platform for scientific exchange, policy dialogue, and cross-sector collaboration.

As we look ahead, NDTL remains steadfast in its mission to protect the integrity of sport through scientific innovation, ethical conduct, and strategic foresight.

I express my heartiest thanks to the Government of India and our institutional partners for their trust and encouragement.

Dr. P. L. SAHU
Director



Introduction

The National Dope Testing Laboratory (NDTL) was established as an autonomous body under Society Act, 1860 of Government of India in October, 2008. NDTL is accredited to the National Accreditation Board for Testing & Calibration Laboratories (NABL) for ISO/IEC: 17025 and the World Anti-Doping Agency (WADA) for testing of urine & blood samples from human sports.

NDTL is a premier scientific institute and one of the World Anti-Doping Agency (WADA)-accredited Laboratories dedicated to human sports dope testing & allied research. This is the only Laboratory of its kind in the country having state-of-the-art facilities. It is equipped with the latest and sophisticated analytical equipment including LC-Orbitrap-HRMS, LC-MS/MS, GC-MS/MS, GC/C/IRMS, etc. The Laboratory is pursuing research in the advanced areas of anti-doping science and establishing collaborations with National and International Institutes.

The Laboratory engages Research Associates for further strengthening of the research activities.

There are 29 WADA -accredited labs in the world, out of which six are in Asia. The NDTL is one of the six laboratories in Asia accredited by WADA. The other laboratories in Asia are in China, Japan, Korea, Qatar and Thailand.

The accreditation of WADA is granted on yearly basis, and is based on the evaluation of the proficiency testing of samples analysis for the particular year.

National Dope Testing Laboratory with a rudimentary infrastructure as an independent dope testing entity with the following aims and objectives

To establish and maintain World Anti-Doping Agency (WADA) accredited Dope Control Laboratory in India

To cooperate with other relevant national/international Anti-Doping organizations

To encourage reciprocal testing between national Anti-Doping organization

To promote anti-doping research in the country

To maintain quality control systems as per latest version of ISO/IEC 17025 and International Standards for Laboratories WADA

To conduct testing for In-competition and out-of-competition dope test on sportspersons

To have some international cooperation with other anti-doping lab/organization in terms of research, training and sharing of knowledge

To perform all things as are incidental or conducive to the attainment of the objectives of NDTL or as subsidiary to the objects

To frame rules and develop procedures as per the WADA Standards

Testing of Dope Control Samples

Doping is refers to the use of prohibited substances or the adoption of prohibited methods by athletes to enhance their performance and gain an unfair advantage over their competitors. The allure of achieving record-breaking feats or securing prestigious titles has, unfortunately, led some athletes to resort to doping as a means to reach their goals. The history of doping can be traced back to ancient times when athletes consumed various substances, such as stimulants, to enhance their performance.

Doping poses a significant threat to

the integrity of sports and undermines the fundamental principles of fair play, honesty, and equality. Athletes who engage in doping not only compromise their own health and well-being but also undermine the spirit of competition, casting doubts on the authenticity of athletic achievements.

To combat these issues, numerous international bodies, including the World Anti-Doping Agency (WADA), have been established to develop and enforce stringent anti-doping policies. These policies encompass comprehensive testing procedures, strict regulations on substances and

methods, and severe penalties for those found guilty of doping.

Despite these efforts, doping remains a persistent problem in the sporting world. Advancements in science and technology have made it increasingly challenging to detect certain doping substances and methods, leading to a constant cat-and-mouse game between doping offenders and anti-doping authorities. The battle against doping requires a collaborative and multifaceted approach, involving education, prevention, detection, and punishment.

Testing for Paris 2024 Paralympic Qualifiers

The National Dope Testing Laboratory (NDTL) has made an important contribution to the

Paris 2024 Paralympic Games by analyzing over 100 urine and blood samples from athletes participated in Paralympic qualification events. All testing, analysis, and reporting of samples were completed within 48 hours in a timely manner. This speedy process helped the athletes to get clearance in time for the qualifiers, keeping the competition fair and supporting India's sports goals. NDTL's timely work shows its commitment to high standards and efficiency, proving its role as a reliable partner in global anti-doping efforts.



Excellence in Hindi Language Implementation

The Parliamentary Official Language Committee conducted a Hindi language inspection of the National Dope Testing Laboratory (NDTL) on November 22, 2024, at the Central Services Officers Institute (CSOI) in New Delhi. During the inspection, the Committee assessed how Hindi

is used in NDTL's official work. The laboratory's efforts were found to be satisfactory, and it was praised for promoting Hindi in its administrative tasks. As a result, the NDTL received a certificate of appreciation from the Parliamentary Committee, recognized NDTL's commitment to using India's official language in its operations.

Inauguration of WADA-Accredited Athlete Passport Management Unit (APMU)



World Anti-Doping Agency (WADA) has approved the National Dope Testing Laboratory (NDTL), New Delhi to operate as a WADA-approved Athlete Passport Management Unit (APMU) in December 2024. With this approval, India joins an exclusive group of only 17th APMUs worldwide.

The Athlete Biological Passport (ABP) is a modern anti-doping tool that tracks an athlete's biological markers over time to detect any signs of doping. This recognition strengthens India's ability to promote fair play and protect clean athletes.

NDTL's new status also allows it to support national and regional Anti-Doping Organizations, boosting India's role in global anti-doping efforts. This milestone aligns with the Prime Minister's vision of Atmanirbhar Bharat, highlighting India's self-reliance in sports governance. The recognition reflects NDTL's dedication to

scientific excellence and clean sport.

Hon'ble Union Minister of Youth Affairs & Sports and Labour & Employment, Dr. Mansukh Mandaviya inaugurated Athlete Passport Management Unit (APMU) at National Dope Testing Laboratory (NDTL) in New Delhi on 17th April 2025 in the presence of Smt. Sujata Chaturvedi, Secretary (Sports), Shri Kunal, Joint Secretary, Shri Anant Kumar, Director General, National Anti - Doping Agency (NADA), including senior officers and Eminent Scientists. Notably, this marks the establishment of India's first APMU and the 17th globally.

The unit is a specialized body dedicated to monitoring and managing athletes' biological passports, reaffirming India's commitment to clean and transparent sports practices on National and International platforms.

The activities of APMU was operational from 15th of February 2025.





NDTL Annual Conference 2025

The National Dope Testing Laboratory (NDTL) Annual Conference 2025 was held on 19th March, 2025, focusing on "Anti-Doping Science: Innovations and Challenges" at New Delhi. The event brought together experts, researchers, and sports professionals from across India. The event was inaugurated by Dr. Mansukh Mandaviya, Hon'ble Union Minister of Youth Affairs & Sports and Labour & Employment. Graced by dignitaries including Smt. Raksha Nikhil Khadse, Union Minister of State for Youth Affairs and Sports, Smt. Sujata Chaturvedi, Secretary (Sports), Shri Kunal, Joint Secretary (Sports), and Prof. (Dr.) P. L. Sahu, Director of NDTL. The conference served as a key platform to discuss scientific advances and regulatory frameworks in anti-doping.

Hon'ble Union Minister of Youth

Affairs and Sports and Minister of Labour and Employment Dr. Mansukh Mandaviya reaffirmed the Government of India's commitment to clean and fair sports, calling for early doping education in school curriculums and awareness campaigns in rural areas. He emphasized the importance of collaboration between sports federations and scientific institutions to educate athletes about anti-doping regulations. The event also encouraged young scholars to engage in ethical sports practices.

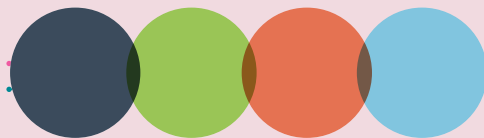
The conference featured interactive session, expert panel discussions, and Technical presentations, with a strong focus on evolving doping methods and the need for continuous innovation in detection techniques. The involvement of young scholars and students reflected a growing enthusiasm for ethical sports practices.



Research & Innovation

Synthesis of Reference Materials for Enhancement of Dope Control Sample Analysis

In dope testing analysis, the availability of Reference Materials (RMs) / Standards are critical. Reference Materials of the prohibited substances are available only selected manufacturers across the world, and not easily available commercially, some of them are not available worldwide. The Reference Materials of prohibited substances are used essentially during dope-testing for Quality Control purposes, and, so their availability remains critical in sports dope testing, globally. In the last five years, NDTL has taken several initiatives towards strengthening its research activities in collaboration with premier Scientific Institutes like CSIR-IIIM, Jammu and NIPER-Guwahati in India for synthesis of Reference Materials or metabolites, which are highly pure chemical compounds used for dope testing, in a phased manner. As of now NDTL successfully synthesized 20 reference materials in the country for the first time and various under pipeline. These Reference Materials have been shared with all 29 WADA accredited Laboratory. In 2024, the National Dope Testing Laboratory (NDTL) made important progress in strengthening its analytical capabilities by acquiring high-quality reference materials. NDTL successfully synthesized and received 5 Reference Materials namely Molidustat N-Glucuronide, YK-11 metabolite-1, YK-11 metabolite-2, Metandienone-LTM from NIPER-Guwahati. All the reference materials are to be distributed all WADA accredited Laboratories across the world.



Renewal of Memorandum of Understanding (MoU) with IIIM, Jammu

The Memorandum of Understanding (MoU) between the National Dope Testing Laboratory (NDTL) and the CSIR-Indian Institute of Integrative Medicine (IIIM), Jammu, is renewed for 3 years on 26th April, 2024, as part of joint effort to advance anti-doping science and research, reference standard synthesis activity and to achieve excellence in the field of dope testing in sports. NDTL expressed



gratitude to the CSIR-IIIM Team for steadfast dedication for creating essential reference materials and enhancing the research in the area of Anti-Doping Science.

Research Publication(s)

1 Gyan Vardhan, Vikas Kumar, Puran Lal Sahu, Anuj Prakash, Ramasare Prasad, Shailendra Handu, Uttam Kumar Nath and Puneet Dhamija: A Validated Chiral Chromatography Method for Enantiomeric Separation of Pomalidomide in Human Plasma, 62(7):2024, 611-617 doi: 10.1093/chromsci/bmae026.

2 Ashok Kumar Maurya, Puran Lal Sahu and Kapendra Sahu: Measurement Uncertainty and Validation for Quantification of Marijuana Metabolite:(-)-11-nor-9-Carboxy- Δ^9 -THC in Human Urine by GC-MS/MS, Current Pharmaceutical Analysis 20(9) 2024, 1056 – 1065, doi : 10.2174/011573412934798324102310 0539

Accreditation

World Anti – Doping Agency (WADA) Accreditation Renewed for the year 2025
National Dope Testing Laboratory World-Anti-Doping Agency (WADA) Accreditation was renewed for the year 2025.

This renewal reflects NDTL's continued compliance with the strict International Standards for Laboratories (ISL) and its adherence to evolving Technical Letters (TLs), Technical Notes (TNs), and Technical Documents (TDs) issued by WADA.

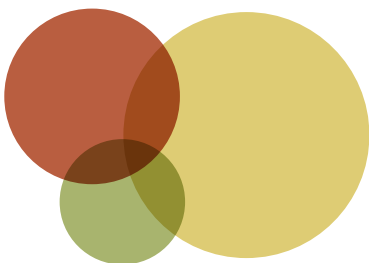
NDTL's successful accreditation renewal highlights its world-class testing capabilities, scientific excellence, and ongoing commitment to clean sport. It strengthens the laboratory's role as a trusted institution in the global anti-doping community, supporting fair and transparent sports practices in India and worldwide.



Proficiency Testing WADA EQAS /CSCQ

The National Dope Testing Laboratory (NDTL) continues to demonstrate its commitment to international standards through active participation in the Blood Proficiency Testing Program by the Quality Control Centre Switzerland (CSCQ). This external Quality Assessment program is crucial for ensuring the lab's analytical accuracy and consistency in blood sample testing. Also the Laboratory continues to uphold its commitment to excellence by actively participating in the World Anti-Doping Agency (WADA) External Quality Assessment Scheme (EQAS) for 2024 to 2025. This global proficiency testing program ensures the analytical accuracy and reliability of WADA-accredited laboratories. All performance results were reported as satisfactory.

NDTL's consistent participation and strong performance in WADA EQAS enhance its global standing and play a key role in the annual renewal of its WADA accreditation, confirming the Laboratory's commitment to top-tier anti-doping testing in line with international standards.



Inclusion of the New Methods of Analysis in the NDTL Scope of Testing

The Laboratory has developed and validated new methods of analysis and included in the scope of Testing as per WADA requirements and the followings are here under

1. The New Method confirmation procedure for 19-Norandrosterone (19-NA) by GC/C/IRMS has been developed and validated as per WADA requirement it is the only analytical techniques concludes about the steroids (19-NA) which consumed by external or internal source. The same was incorporated in NDTL Scope of testing. This was a big achievement for the NDTL.
2. Another mile stone came in the Dope Control Sample analysis is that to identified prohibited substances in Dried Blood Spot matrix apart from Urine and Whole Blood matrix. The new Method of confirmation procedure of Steroid Esters in Dried Blood Spot matrix using LC-MS/MS has been developed and validated as per WADA requirement. The same has been incorporated in NDTL Scope of testing. This is also a big achievement of NDTL and the laboratory reached another step ahead in the anti-doping science across the world.

Workshop, Conference & Webinar

Sport India Expo 2024



The National Dope Testing Laboratory (NDTL) participated in prestigious Sport India Expo 2024, held from August 29th to 31st, 2024, at Pragati Maidan, New Delhi. The event was organized by the Ministry of Youth Affairs and Sports, Government of India, and hosted by the Physical Education Foundation of India (PEFI) and the Sport India Foundation in association with Indian

Exhibition Services.

NDTL's participation highlighted its key role in promoting fair play and clean sports through anti-doping efforts. It also provided an excellent opportunity for NDTL to engage with athletes, sports organizations, and other stakeholders, while reinforcing its support for the 'Fit India Movement' and the country's sports development goals & the nation's broader sporting vision.

Important Meetings: 8th and 9th Scientific Advisory Board (SAB) Meeting



8th and 9th Scientific Advisory Board Meeting of NDTL were held on 24.07.2024 and 14.10.2024 at NDTL.

During the meeting, several key proposals were discussed, with a primary focus on Research & Development (R&D) planning and the creation of new posts to enhance the Laboratory's capabilities. The

discussions highlighted strategic planning to strengthen NDTL's scientific infrastructure and future-readiness in the field of anti-doping science.

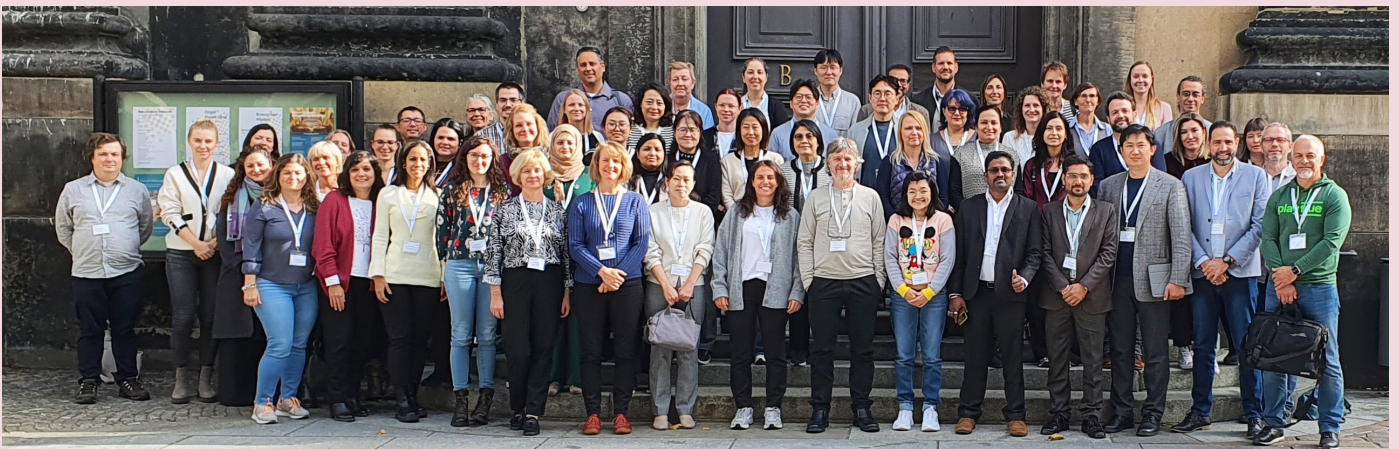
The SAB meeting provided a valuable platform to review and recommend initiatives that will support NDTL's mission of maintaining integrity in sports through scientific excellence.

The 8th Quality Manager Meeting organized by the World Association of Anti-Doping Scientists (WAADS) was held in Dresden, Germany from 22nd to 23rd October 2024. This annual gathering brings together Quality Managers and Scientists from WADA-accredited laboratories worldwide to deliberate on pressing technical and quality-related matters, with a focus on upholding the highest standards in anti-doping analysis.

Shri Awanish Kumar Upadhyay, Scientist "C", and Dr. Anandarajan T, Scientist "B" & Quality Manager had represented the National Dope Testing Laboratory (NDTL), New Delhi. The meeting featured in-depth discussions on critical aspects such as the Internal Quality Assessment Scheme (iQAS), risk assessment methodologies, method validations, WADA audit preparedness, training and capacity-building of laboratory personnel, and best practices in the handling of reference materials.

NDTL's participation provided an opportunity to engage with international experts and align with global quality standards. The event reinforced NDTL's commitment to upholding excellence in scientific integrity and quality assurance in anti-doping efforts.

8th WAADS Quality Manager Meeting



20th GB Meeting held Under the Chairmanship of Hon'ble Minister of Youth Affairs and Sports and Minister of Labour and Employment



Global Task Force Meeting on Traditional Pharmacopoeia



Global Task Force Meeting on Traditional Pharmacopoeia To combine traditional medicine with modern anti-doping practices while maintaining the principles of sport ethics and integrity, a Global Task Force on Traditional Pharmacopoeia has been formed. The sub-committee constituted for Global Task Force on Traditional Pharmacopoeia, led by Dr. P. L. Sahu, Director & CEO (I/c), NDTL, held its first review meeting on 4th December 2024.

The Sub-committee has been tasked

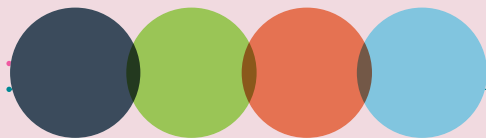
with developing scientific data, research inputs, and strategic frameworks on the role of traditional pharmacopoeia within the realm of sport ethics, values, and integrity. This initiative is positioned to play a significant role on the global stage, with its findings potentially being presented at the Conference of Parties (COP10) to the International Convention against Doping in Sport, organized by UNESCO in November 2025.

The sub-committee includes distinguished experts from leading Indian research institutions:

- 1 **Dr. P L Sahu**
Director & CEO, (Chairman) NDTL
- 2 **Dr. Raman Mohan Singh**
Director, PCIM & H, Ghaziabad
- 3 **Dr. Sharad K. Srivastava**
Chief Scientist, NBRI, Lucknow
- 4 **Dr. Shashank Kumar Singh**
Senior Principal Scientist and Professor, IIIM, Jammu
- 5 **Dr. Karuna Shankar**, Senior Principal Scientist, CIMAP, Lucknow
- 6 **Dr. Ravindra Kumar Rawal**
Senior Principal Scientist, CSIR-NEIST, Jorhat, Assam
- 7 **Dr. Ravinder Singh**
Director, FSSAI, New Delhi
- 8 **Dr. Kapendra Sahu**, Scientist-C (Member, Coordinator), NDTL

The first phase of discussions and meetings took place in July 2024, conducted in both virtual and physical mode. The committee aims to bridge traditional medical knowledge with contemporary anti-doping frameworks, ensuring alignment with international scientific standards while preserving the ethical fabric of sport.

This novel initiative underlines India's commitment to global leadership in ethical sporting practices and scientific innovation, reflecting NDTL's expanded role on the international anti-doping community.



Ethics

Committee Meeting

The Ethics Committee Meeting of the National Dope Testing Laboratory (NDTL) was held on 18th March 2025 at the NDTL under the Chairmanship of Prof. Y. K. Gupta. The session focused on the ethical review and approval of vital

research projects contributing to the advancement of anti-doping science. **During the meeting, two significant research proposals were presented by NDTL scientists:**

- ♦ Dr. Anand Raj, Scientist 'B', presented his project on Erythropoietin (EPO)

variant detection in Blood Doping Studies (BDS).

- ♦ Sh. Akilesh Bardwaj, Scientist 'B', proposed his study on the excretion profile of Stanozolol metabolites.

Both projects were reviewed for ethical compliance, scientific relevance, and their potential contribution to the anti-doping mission. After thorough discussions, the Ethics Committee gave formal approval for both studies to proceed.

Training Program

Training to Junior Residents of MD Sports Medicine

Training was imparted to two Junior Residents of MD Sports Medicine from Armed Forces Medical College, Pune on Dope Testing from 22nd April to 23rd April 2024.



Training for Doping Control Officers (DCOs) and Blood Collection Officer (BCOs) on Sample Handling Protocols



A total of 37 participants attended the interactive, case-based session, which encouraged knowledge exchange and helped officers align with international standards set by the World Anti-Doping Agency (WADA) on 27th August 2024, at the National Dope Testing Laboratory (NDTL) held a specialized training session for Dope Control Officers (DCOs) and Blood Collection Officers (BCOs) at the JLN Stadium, East Gate No. 10, Near MTNL Building, New Delhi 110003.

A total of 24 officers attended, with the program offering both theoretical briefings and practical demonstrations. NDTL experts shared case studies on common errors and preventive strategies to reduce risks in field operations on 24th September 2024, the National Dope Testing Laboratory (NDTL) organized a focused training program for Dope Control Officers (DCOs) and Blood Collection Officers (BCOs) from the National Anti-Doping Agency (NADA)

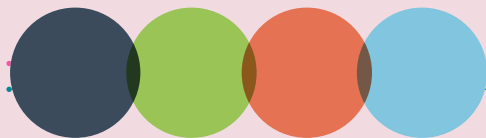
at the NDTL facility, Jawaharlal Nehru Stadium, New Delhi.

A total of 13 participants attended the session, gaining practical knowledge on proper sample collection and documentation procedures. This initiative aimed to strengthen the sample collection process and improve compliance with international anti-doping standards on 10th December 2024, a focused training session for Dope Control Officers (DCOs) and Blood Collection Officers (BCOs) of NADA was held at the NDTL Conference Hall. The training addressed common issues in the handling of human urine and blood samples, aligning with the latest World Anti-Doping Agency (WADA) guidelines.

These trainings were a significant step in strengthening India's anti-doping framework by building the capacity of field-level officers and ensuring strict adherence to sample handling protocols across the country.

Virtual training on Athlete Passport Management Unit (APMU)

On 29th November 2024, a virtual training session on the Athletes Passport Management Unit (APMU) was held at the National Dope Testing Laboratory. The session was led by Dr. Masato Okano, Lab Director, Japan, a recognized expert in the field. NDTL staff belongs to APMU team actively participated in the session, which focused on the operations of APMU laboratories and best practices for setting up a new APMU facility at NDTL. The interactive training provided valuable insights, laying a strong foundation for the development of the APMU at NDTL.



Training to Major from Central Military Veterinary Laboratory (CMVL), Meerut



Major Ajay Thakur from the Central Military Veterinary Laboratory (CMVL), Meerut, Uttar Pradesh, successfully completed a five-day training program titled "Exposure and Training in the Field of Dope Testing" at the National Dope Testing Laboratory (NDTL) from 06th to 10th January 2025.

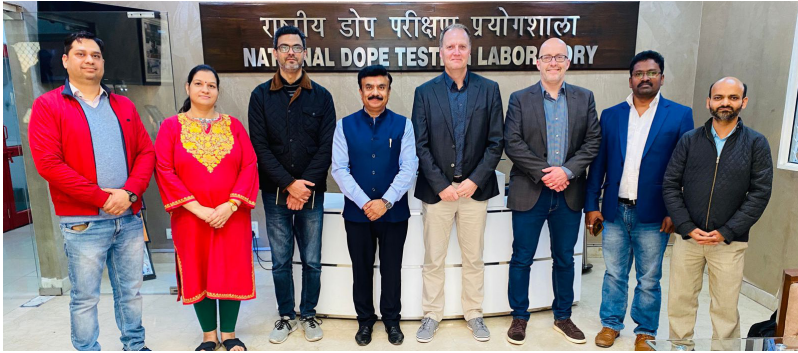
The training provided valuable insights into anti-doping analytical techniques, offering exposure to modern laboratory practices and methodologies in line with global standards. The initiative aimed to promote knowledge-sharing and strengthen collaboration between agencies in the field of dope testing.

Training to NDEHMS Officers

On 9th January 2025, a one-day training program titled "Exposure and Training in the Field of Dope Testing" was held for one instructor and nine student officers from the 51st batch of the National Diploma Course in Equine Husbandry, Medicine, and Surgery (NDEHMS), RVC Centre and College.

The participants took part in interactive sessions with scientists from the National Dope Testing Laboratory (NDTL), gaining practical knowledge on anti-doping procedures, analytical techniques, and laboratory protocols. The training enhanced awareness of anti-doping measures in veterinary and equine contexts. At the end of the session, certificates of participation were distributed to all attendees.





APMU Training by WADA Experts

Dr. Reid Aikin, Associate Director, ABP, Science and Medicine, WADA & Dr. Norbert Baume Senior Manager, ABP, Science and Medicine, WADA imparted APMU training as per WADA Agenda at NDTL 3 days from 29th, January 2025 to 31st, January 2025. Discussed various point related to APMU laboratory issues in the three modules like steroidal, Endocrine, Hematological.



78th Independence Day

On August 15, 2024, the National Dope Testing Laboratory (NDTL) celebrated the 78th Independence Day with great enthusiasm and national spirit. The event brought together staff members to honour India's journey of freedom and progress.

The celebration began with the hoisting of the National flag, followed by an inspiring speech from the Director of NDTL and he addressed about focused on national pride, dedication to duty, and the laboratory's important role in maintaining integrity in sports through scientific excellence. The event strengthened unity, patriotism, and a renewed commitment to the nation's values.

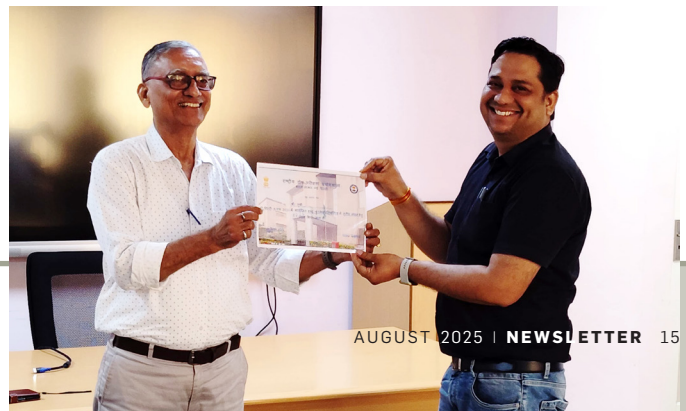
Important Celebrations

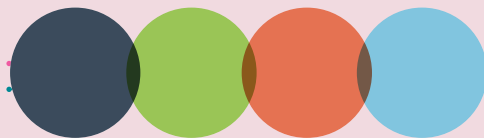
Hindi Utsav -2024

The National Dope Testing Laboratory (NDTL) celebrated Hindi Utsav on 14th September, 2024 to promote the use and appreciation of the Hindi language. The event featured a range of fun and engaging competitions designed to encourage staff participation and creativity in Hindi.

Activities included a workshop on simple Hindi phrases, speech and essay writing competitions, a "look at the picture and write a story" contest, a Hindi vocabulary quiz, and performances in comedy, satire, and poetry.

The celebrations ended with a prize distribution ceremony, where winners were honoured for their enthusiastic involvement and impressive performances. This event highlighted the importance of Hindi as a unifying language and a key part of India's cultural heritage.





Swachhata Hi Seva Abhiyan 2024

From 17th September to 2nd October 2024, the National Dope Testing Laboratory (NDTL) actively participated in the “Swachhata Hi Seva Abhiyan 2024,” a nationwide cleanliness campaign. This initiative supports the Government of India’s mission to promote cleanliness, hygiene, and environmental responsibility across the country.

During the campaign, NDTL organized cleanliness drives both inside and around the campus. Staff members eagerly took part in cleaning activities, awareness sessions, and poster displays to spread the message of cleanliness and sustainable practices.

The campaign concluded on Gandhi Jayanti, reinforcing Mahatma Gandhi’s vision of a clean and self-reliant India. The event successfully fostered a sense of collective responsibility and environmental awareness among all participants.



Vigilance Awareness Week 2024

The National Dope Testing Laboratory (NDTL) observed Vigilance Awareness Week 2024 from 28th October to 3rd November 2024, in line with the nationwide initiative to promote integrity, transparency, and accountability in public life.

The week began with all staff members taking a Vigilance Pledge, reaffirming their commitment to ethical conduct and corruption-free governance. During the week, a quiz competition on vigilance awareness and good governance was organized, encouraging active participation from employees.

The winners of the quiz were awarded prizes, and the event served as an important reminder of our collective responsibility to uphold honesty and integrity within the organization.



International Women's Day 2025

On 8th March 2025, the National Dope Testing Laboratory (NDTL) celebrated International Women's Day with a vibrant event honouring the achievements of women and raising awareness on women's health, empowerment, and equality.

The celebration began with opening remarks by Dr. Jaseela Majeed, Chairperson of the Internal Complaints Committee (ICC), who

highlighted the importance of gender equality and the role of women in shaping a progressive society.

A key highlight was a special awareness session titled "Holistic Approach to Women's Health," led by Dr. Manjari Purwar, a renowned Dietitian and Nutritionist. Her insightful talk covered topics like balanced nutrition, fitness, and mental well-being, sparking engaging discussions among participants.

The event also featured a Slogan Writing Contest, Poetry Recitation,

and a Quiz Competition, all aimed at celebrating women's contributions. Winners were recognized for their creativity and participation.

The event concluded with an inspiring address by Dr. P.L. Sahu, Director & CEO (I/c) of NDTL. He praised the efforts of the organizers and participants, stressing the importance of fostering an inclusive, respectful, and supportive work environment and continued action toward achieving gender equality.

Visit at NDTL

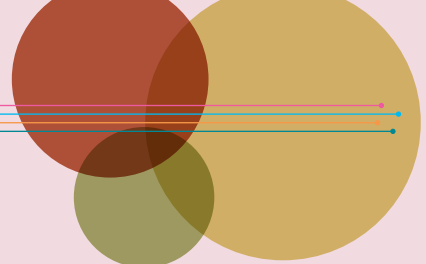
Visit of Hon'ble Minister of Youth Affairs and Sports and Minister of Labour and Employment:

On 22nd August 2024, Dr. Mansukh Mandaviya, the Hon'ble Minister of Youth Affairs and Sports, visited the National Dope Testing Laboratory (NDTL). During his visit, he engaged with scientists and senior staff members in a productive session at the Conference Hall.

The Minister also visited around the laboratory facilities, where he was briefed on the advanced analytical capabilities, ongoing research, and international standards upheld by NDTL in anti-doping science. Dr. Mandaviya praised the team's commitment and technical expertise in ensuring fair play in sports through scientific integrity.

The visit was a motivating experience for the NDTL staff, reaffirming the government's support for strengthening anti-doping infrastructure and advancing excellence in sports science.





Visit of Secretary (Sports), Ministry of Youth Affairs and Sports

Sh. Hari Ranjan Rao, IAS, Secretary (Sports) along with senior officers from the Ministry visited NDTL on 02.05.2025. He was interacted with senior scientists at NDTL.



Visit of Director of Forensic Science Laboratory, Dharamsala

Dr. Meenakshi Mahajan, Director, and Dr. Rakesh Soni, Assistant Director, of the Regional Forensic Science Laboratory, Dharamsala visited at National Dope Testing Laboratory dated on 11.07.2024. Dr. Mahajan and Dr. Soni engaged in discussions aimed at enhancing our collaborative research and development activities. The primary focus was on exploring new methodologies, improving existing protocols, and identifying areas where joint efforts could significantly advance our scientific capacity.



Visit of Officials from NADA, UAE

On 19th September 2024, Dr. Mai Al Jaber, President, and Ms. Rafeeah Alowais, Vice President of the United Arab Emirates National Anti-Doping Agency (UAE NADA), visited the National Dope Testing Laboratory (NDTL).

They also had the opportunity to interact with senior scientists and staff, exchanging valuable insights and best practices in the field of anti-doping science.

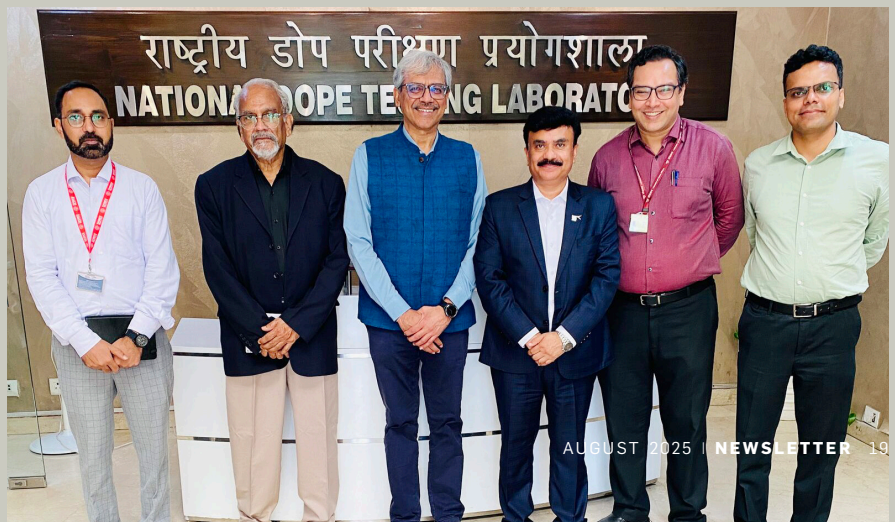
This visit provided an important opportunity to strengthen the international collaboration between NDTL and UAE NADA, promoting global partnerships for clean sport and scientific excellence.



Visit of Indian Council of Medical Research (ICMR) Delegates

On 25th September 2024, a high-level delegation from the Indian Council of Medical Research (ICMR) visited the National Dope Testing Laboratory (NDTL). The delegation, led by Dr. Rajiv Bahl, Secretary of the Department of Health Research (DHR) and Director General of ICMR, included Prof. Y. K. Gupta, President of AIIMS Jammu, and other senior ICMR officials. The visit was also attended by Dr. Shobhit Jain, Joint Secretary, and Sh. Anant Kumar, Director, Ministry of Youth Affairs and Sports.

The delegation interacted with NDTL's senior scientific staff and acknowledged the laboratory's vital role in anti-doping science. They emphasized the importance of strengthening collaborative research efforts.

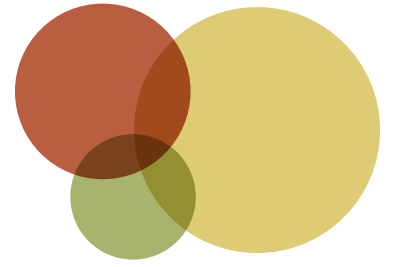


Visit of Pharmacy Students from Galgotias Institute



On 9th October 2024 fifty students from the Department of Pharmacy at Galgotias Educational Institute, Greater Noida, visited the National Dope Testing Laboratory. During the visit, the students visited

NDTL's facilities and participated in interactive sessions with NDTL scientists. The visit sparked great interest among the students in sports science and anti-doping research, inspiring them for their future academic and professional careers.



Visit of International Delegates at NDTL under WADA's GLDF Training Program

On 20th November 2024, the National Dope Testing Laboratory (NDTL) hosted a group of international delegates from neighbouring countries, as part of the Global Learning Development Framework (GLDF) training program on Results Management. This program was organized by the World Anti-Doping Agency (WADA) in collaboration with NADA India.

The visit served as a platform to strengthen international cooperation and share best practices in the global effort to combat doping in sports.

Visit of International Customs Laboratory Personnel from CRCL



On 8th November 2024, the National Dope Testing Laboratory (NDTL) hosted a delegation of five international trainees from various countries, along with a scientific staff member from the Central Revenue Control Laboratory (CRCL), India.

This training session provided a unique learning opportunity, broadening the trainees' understanding of anti-doping efforts and offering scientific knowledge that could improve their work in customs laboratories worldwide.



Visit of Vice Chancellor of Delhi

Pharmaceutical Sciences and Research University



On 29th December 2024, Prof. Ravichandiran V., Vice Chancellor of Delhi Pharmaceutical Sciences and Research University (DPSRU) and Former Director of NIPER, Kolkata, visited the National Dope Testing Laboratory.

Prof. Ravichandiran V. shared his insights on the pharmacological mechanisms and modes of action of pharmaceutical drugs in the context of anti-doping in sports.

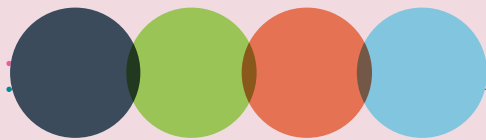
The discussion also explored potential collaborative research opportunities between NDTL and DPSRU, aiming to enhance anti-doping science through joint initiatives and academic exchange.



Visit of Students from Jamia Hamdard

On 15th January 2025, two professors and six students from the School of Pharmaceutical Education and Research (SPER), Jamia Hamdard, New Delhi, visited the National Dope Testing Laboratory (NDTL) for an educational and interactive session.

The session provided students with valuable insights into the real-world application of pharmaceutical sciences in anti-doping, deepening their understanding of advanced testing techniques and ethical considerations in sports medicine.



Visit of Physiotherapy Students from SGT University



On 12th February 2025, a group of 42 Physiotherapy students and 4 faculty members from SGT University, Gurugram, visited the National Dope Testing Laboratory for an educational and interactive learning experience.

The students and faculty had engaging discussions with NDTL's scientific staff, gaining insights into anti-doping science and the analytical techniques used in dope testing. The session highlighted the important connection between physiotherapy and clean sport practices.

The visit provided valuable practical exposure to the ethical, scientific, and technical aspects of anti-doping, contributing significantly to the academic and professional development of the participants.

Visit of Sport Nutrition Students from Manav Rachna International Institute of Research and Studies

On 17th March 2025, a group of 15 postgraduate students, including 2 research scholars from the Department of Nutrition and Dietetics at Manav Rachna International Institute of Research and Studies (MRIIRS), Faridabad, visited the National Dope Testing Laboratory (NDTL) as part of their

academic enrichment program.

The students, pursuing an M.Sc. in Nutrition and Dietetics with a specialization in Sports Nutrition, were given an overview of prohibited substances, anti-doping regulations, testing procedures, and international doping control standards. The visit also included interactive sessions with NDTL scientists, where students gained insights into practical aspects of anti-doping science.

This visit provided valuable exposure to real-world doping control systems, emphasizing the importance of ethical practices in sports and promoting "clean sports" in their future careers as sports nutritionists and health professionals.



Visit of Students from SGT University

On 21st March 2025, students from the Department of Forensic Science at SGT University, Gurugram, Haryana, visited the National Dope Testing Laboratory for an academic exposure program.

During the visit, the students interacted with NDTL's scientific staff and gained valuable insights into anti-doping science. The sessions covered topics like analytical testing procedures, prohibited substances, doping control mechanisms, and the role of anti-doping regulations in both sports and forensic science.

The visit provided an informative experience, enhancing the students' understanding of forensic science in sports integrity and emphasizing the importance of transparency and ethical practices in competitive sports.

Visit of Assistant Secretaries

S /Sh. Gagan Singh Meena, IAS (Madhya Pradesh: 2023), Aditya Pratap Singh, IAS (Assam Meghalaya: 2023) and Ms. Gunjita Agarwal, IAS (Uttar Pradesh: 2023) – three Assistant Secretaries on Central Deputation in Department of Sports, MYAS visited at NDTL on 09.04.2025. The Director and others Scientists



members explained the Dope control Sample analysis at NDTL and they got inspired about the same.



" Not in the Spotlight, But Always in the Right Fight"

(In Honour of the Anti-Doping Staff)

*Every clean medal that shines so bright,
Carries behind it our silent light.
No stage, no applause, no cheers aloud,
Yet on truth's path, our footprints are proud.
No spotlight glare, no camera sound,
Just logic, science, and eyes profound.
Every data, every chart will say—
"A lab warrior guards the games each day!"
We don't play games — we build what's fair,
Planting seeds of truth with utmost care.
When athletes win with might and flame,
We stand behind, upholding the game.
Machines may be mute, but truth they show,
And our sharp eyes let no falsehood grow.
We ask for no medals, no praise, no run—
Let sport stay clean — that's our only rhythm!*

Mrs. Madhu Joshi
Technical Officer, NDTL



Visit of Students from K. R. Mangalam University

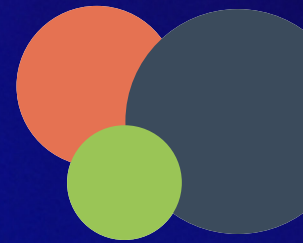
70 students and faculty members from School of Basic and Applied sciences and Forensic Science, K.R. Mangalam University, visited at National Dope testing Laboratory on 07th and 08th April, 2025.

The visit was helped to all the students to understand the advanced scientific instrumentation, research methodologies, and real-world applications of dope testing. Also the entire scientific staff member explained the anti-doping science exposure to them.

Visit of Interns from National Centre of Sports Sciences and Research (NCSSR)

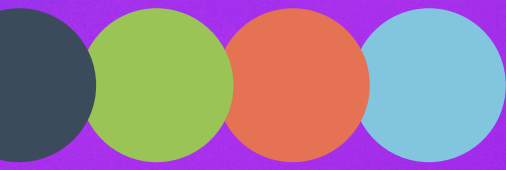
Six interns from the Department of Sports Nutrition under NCSSR visited at National Dope Testing Laboratory on 22.04.2025 as a part of their learning and exposure to the scientific and regulatory framework in sports.





WADA
World Association of Anti-Doping Scientists

wada



National Dope Testing Laboratory (NDTL)
Government of India
 J.L.N. Stadium Complex, East Gate No. 10, Near
 MTNL Building, New Delhi-110003, India
 Tel: +91 11 2436 8850, +91 11 2436 5530
 Email: ndtlindia@nic.in
www.ndtlindia.com

