

**Laboratory** National Dope Testing Laboratory (NDTL), Jawaharlal Nehru Stadium Complex, East Gate No.10, Near MTNL Building, Lodhi Road, New Delhi

**Accreditation Standard** ISO/IEC 17025: 2005

**Certificate Number** TC-7216 (in lieu of T-1747 & T-0607)

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**Validity** 23.04.2018 to 22.03.2020

Last Amended on 14.12.2018

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	<b>Dope Testing</b>			
1.	<b>Human Urine</b>	<b>Anabolic Agents</b>	LLE SPE GC-MS, GC-MS/MS, LC-MS/MS, GC/C/IRMS  NDTL-MN-ITP-01B NDTL-MN-ITP-01E  NDTL-MN-18CP NDTL-MN-28CP NDTL-MN-29CP NDTL-MN-34CP NDTL-MN-37CP NDTL-MN-38CP	Analysis in compliance with WADA Requirements
		<b>Beta-2 Agonists</b>	LLE SPE Direct Injection GC-MS, GC-MS/MS, LC-MS/MS  NDTL-MN-ITP-01B NDTL-MN-ITP-01E NDTL-MN-ITP-01F  NDTL-MN-24CP NDTL-MN-26CP NDTL-MN-31CP NDTL-MN-35CP	Analysis in compliance with WADA Requirements

**Iti Saxena**  
Convenor

**Alok Jain**  
Program Director

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		<b>Hormone and metabolic modulators</b>	LLE SPE Direct Injection GC-MS, GC-MS/MS, LC-MS/MS  NDTL-MN-ITP-01B NDTL-MN-ITP-01E NDTL-MN-ITP-01F  NDTL-MN-26CP NDTL-MN-28CP NDTL-MN-38CP	Analysis in compliance with WADA Requirements
		<b>Diuretics and other masking agents</b>	SPE LLE GC-MS, GC-MS/MS, LC-MS/MS  NDTL-MN-ITP-01B NDTL-MN-ITP-01C NDTL-MN-ITP-01E  NDTL-MN-19CP NDTL-MN-27CP NDTL-MN-37CP	Analysis in compliance with WADA Requirements
		<b>Stimulants</b>	SPE LLE Direct Injection GC-NPD-MS, GC-MS/MS LC-MS/MS  NDTL-MN-ITP-01A NDTL-MN-ITP-01B NDTL-MN-ITP-01E	Analysis in compliance with WADA Requirements

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			NDTL-MN-ITP-01F  NDTL-MN-20CP NDTL-MN-21CP NDTL-MN-22CP NDTL-MN-24CP NDTL-MN-25CP NDTL-MN-26CP NDTL-MN-28CP NDTL-MN-33CP	
		<b>Narcotics</b>	SPE LLE Direct Injection GC-MS, GC-NPD-MS, GC-MS/MS, LC-MS/MS  NDTL-MN-ITP-01A NDTL-MN-ITP-01B NDTL-MN-ITP-01E NDTL-MN-ITP-01F  NDTL-MN-24CP NDTL-MN-25CP NDTL-MN-28CP NDTL-MN-32CP	
		<b>Cannabinoids</b>	SPE LLE GC-MS, GC-MS/MS, LC-MS/MS  NDTL-MN-ITP-01B NDTL-MN-ITP-01E  NDTL-MN-30CP	Analysis in compliance with WADA Requirements

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		<b>Glucocorticoids</b>	SPE LLE LC-MS/MS  NDTL-MN-ITP-01E  NDTL-MN-36CP NDTL-MN-39CP NDTL-MN-40CP	
		<b>Beta Blockers</b>	LLE LC-MS/MS  NDTL-MN-ITP-01E  NDTL-MN-19CP NDTL-MN-41CP	
		<b>Ethanol</b>	Direct Injection LC-MS/MS  NDTL-MN-ITP-01F  NDTL-MN-23CP	
2.	Human Urine Human Serum Human Plasma	<b>Peptide Hormones, Growth Factors, Related Substances and Mimetics</b>	SPE Immunopurification IEF Single/Double blotting SDS-PAGE SAR-PAGE LC-MS/MS Immunoassay with Chemiluminescent detection  NDTL-MN-ITP-01D	Analysis in compliance with WADA Requirements

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			NDTL-MN-ITP-01I NDTL-MN-ITP-01L	
			NDTL-MN-43CP NDTL-MN-46CP	
3.	Human Blood	Manipulation of blood and blood components Haemoglobin Based Oxygen Carriers (HBOCs)	Immunoassay LC-MS/MS  NDTL-MN-ITP-01K  NDTL-MN-45CP	Analysis in compliance with WADA Requirements
4.	Horse Urine Horse Plasma	Anabolic Agents Analgesic Anti- Allergic Anthelmintic Anti hypertensive Aromatase Innhibitors Beta-2-Agonists Beta- Blockers Cannabinoids Corticosteroids Diuretics Enhancement of Oxygen transfer Estrogen Receptor Modulators Local Anesthetics Mucolytics Muscle Relaxant Narcotics Non-Steroidal Anti Inflammatory Drugs Parasympatholytic	GC-MS, LC-MS/MS GC-MS/MS  NDTL-MN-15	Analysis in compliance with Sporting Federation Requirements

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		agents Sedatives Stimulants Tranquilizers Vasodilator Opiod receptor agonist & antagonist Proton pump inhibitor Catechloamine (Urine Only)		
5.	Nutritional Supplements	Anabolic Agents Beta-2-Agonists Hormone and metabolic Modulators Diuretics Cannabinoids Glucocorticosteroids Beta Blockers Stimulants Narcotics	SPE LLE Direct Injection GC-MS, GC-MS/MS, GC-NPD-MSD, LC-MS/MS  NDTL-MN-17	Qualitative
6.	Human Hair Sample Testing	Alcohol-Ethyl Glucuronide (EtG)	LLE LC-MS/MS  NDTL-MN-16	Qualitative
7.	Human Urine	pH Specific gravity	pH meter  Refractometer  NDTL-MN-10	Analysis in compliance with WADA Requirements
8.	Human Blood	Hematological profiling	Method prescribed by WADA ABP guideline/TD  NDTL-MN-ITP-01H	Analysis in compliance with WADA Requirements

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		Blood Transfusion (BT)	Flow Cytometry NDTL-MN-ITP-01J NDTL-MN-44CP	
9.	Human Serum	Peptide Hormones, Growth Factors, Related Substances and Mimetics	Method prescribed by WADA hGH guideline/TD on the Luminometer NDTL-MN-ITP-01G NDTL-MN-42CP Radioimmunoassay (for hGh Biomarkers) NDTL-MN-ITP-01M	Analysis in compliance with WADA Requirements

Note:

1. Details of drugs covered in every category are described in respective Standard Operating Procedure.

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Convenor

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Program Director