



# National Guidelines for HIV Testing

July 2015



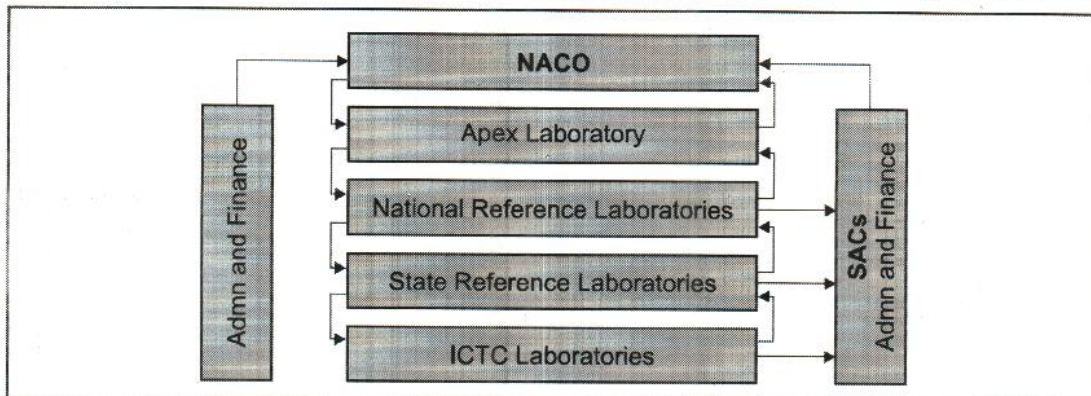
**National AIDS Control Organisation**  
Ministry of Health & Family Welfare, Government of India

## The Management of HIV Testing and Reference Laboratories

HIV testing in the National AIDS Control Programme (NACP) is performed by the Integrated Counselling and Testing Centres (ICTCs) and Blood Banks. Quality control for HIV testing is implemented through a chain of SRLs, NRLs and Apex Laboratory.

**Table 7.1. Roles and responsibilities of laboratories under the NACO laboratory network**

Level	Functions
Tier 1: Apex Laboratory: NARI	To provide technical assistance to the NACP To provide leadership to the laboratory network through NRLs Mentoring and monitoring of NRLs Training and capacity building of NRLs Implementing proficiency testing (EQA) for NRLs
Tier 2: National Reference Laboratories (13)	Mentoring and monitoring of SRLs Training and capacity building of SRLs Implementing proficiency testing (EQA) for SRLs Resolving the retesting discordant results from SRLs
Tier 3: State Reference Laboratories (117)	Mentoring and monitoring of ICTC Labs Training and capacity building of ICTC Labs Implementing proficiency testing (EQA) for ICTC Labs Quarterly rechecking of samples tested (20% positive and 5% negative) at ICTC labs as quality control Resolving the retesting discordant results from ICTC Labs
Tier 4: ICTC Labs (15,606)* Stand alone ICTC: 5694 Mobile ICTC: 124 F-ICTC : 8810 PPP (Public and Private Partnership) ICTC: 1977 * Till March 2014.	Perform HIV tests as per national guidelines Participating in proficiency testing and quality control activities Participate in training activities conducted by SRLs







राष्ट्रीय एड्स अनुसंधान संस्थान  
NATIONAL AIDS RESEARCH INSTITUTE

(राष्ट्रीय आयुर्विज्ञान अनुसंधान परिषद)  
(Indian Council of Medical Research)

(WHO Collaborating Centre for HIV Diagnosis and Monitoring of Antiretroviral Therapy)



Cert. No. PC-1009

**PROFICIENCY TESTING PROVIDER FOR HIV SEROLOGY**

NABL Accredited Laboratory

Ref. No.: ICMR-NARI/NACO/2021/11

Date: 01.02.2021



To,  
Dr. Mini Jacob  
NRL Incharge  
T.N. MGR. Medical University  
Chennai

**PROFICIENCY TESTING (PT) REPORT FOR HIV SEROLOGY**

Name of Proficiency Testing Provider: ICMR-NARI, Pune

Round: I / II (2020-2021)

Name of the participating laboratory: T.N. MGR, Chennai

Lab ID: HIVPT006

Date Panel Distributed: 07.01.2021

Date of Closing: 19.01.2021

Sample code	Your result	True status	Your score
1	Negative	Negative	100 %
2	Negative	Negative	
3	HIV-1 Positive	HIV-1 Positive	
4	Negative	Negative	
5	Negative	Negative	
6	HIV-1 Positive	HIV-1 Positive	
7	Negative	Negative	
8	HIV-1 Positive	HIV-1 Positive	

✓

Comments: Performance is **Satisfactory** / Unsatisfactory

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Page 1 of 2



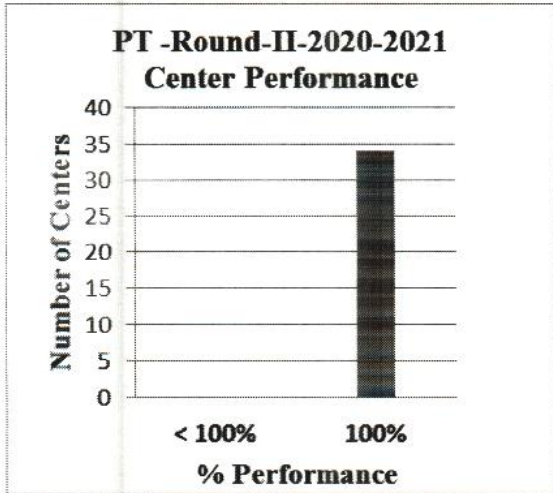
Plot No. 73, 'G' Block, M.I.D.C. Bhosari,  
Pune - 411 026. Post Box No. : 1895  
☎ : 2733 1200  
FAX No. 0091-20-27121071  
E-mail: nari@nariindia.org  
Website : www.nari-icmr.res.in

# Proficiency Testing Scheme for HIV Serology

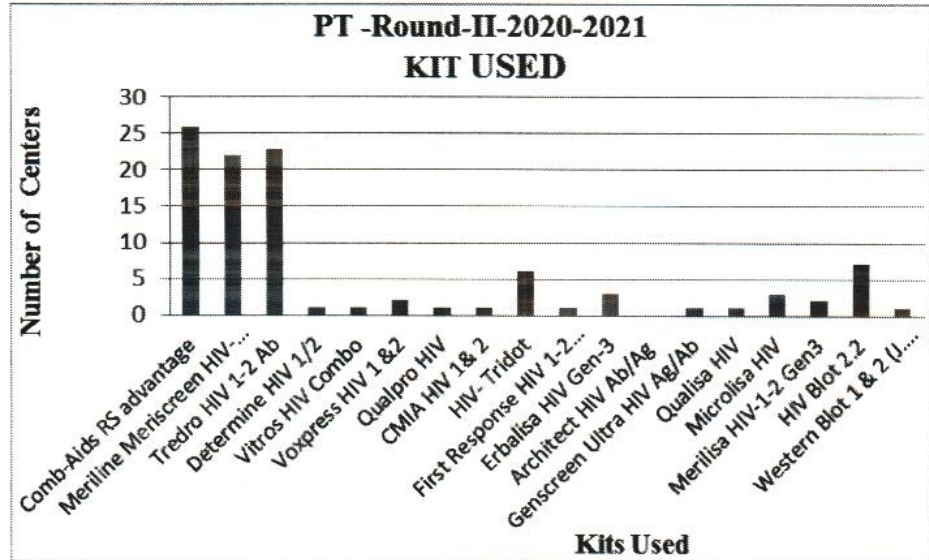
## Group Performance

Graphs showing variation in performance between participants

Comparison of kits used by participants



Your Center



### Other Information:-

1. Proficiency test items are plasma samples which are either HIV negative or HIV-1 positive. Plasma is separated from blood bags obtained from blood banks
2. The assigned values used for the HIV serology PT items are derived on the basis of test results of two ELISAs, two rapid and one Western Blot test.
3. All PT items have passed homogeneity and stability assessment.
4. Proficiency testing Scheme for HIV Serology is carried out twice a year.
5. Participants can appeal against the evaluation of their performance in the PT Scheme using the feedback form.
6. All information supplied by participant to the proficiency testing provider is treated as confidential. The identity of the individual participating laboratories are known only to the proficiency provider and NACO (for laboratories under NACO umbrella) if applicable.
7. The distribution of proficiency panel is subcontracted to courier agency
8. For any queries, participant can contact PT coordinator, ICMR-NARI.

**Dr. Madhuri Thakar**

Scientist F & Apex Lab Incharge

Name of PT Coordinator

*M.Thakar*

Signature of PT Coordinator

Date: 01.02.2021

\*\*\*End of Report \*\*\*



Appendix IV - EQAS PANEL REPORT										
Ref.No								24.2.2021		
								Round II 2020		
Name of Proficiency testing provider: <b>NRL</b> Name of the participating Laboratory : <b>SRL</b>										
Date of panel couriered : 17/2/2021										
Date of result received: 24/2/2021										
Name of the SRL	Sample code	True Status	SRL result	Type and name of the test		Matching				
				1st type	2 nd type	3rd type	yes/no	%		
				Name of kit	Name of kit	Name of kit				
	1	Reactive		Dot Immunoassay	Imm.chromatograph	Imm.conc.assay	yes	100.00%		
				Combaids	Meriscreen	TREDRO HIV 1-2Ab				
<b>JIPMER</b>	2	Reactive		Dot Immunoassay	Imm.chromatograph	Imm.conc.assay				
				Combaids	Meriscreen	TREDRO HIV 1-2Ab	yes	100%		
	3	Non		Dot Immunoassay			yes	100.00%		
				Combaids						
	4	Non		Dot Immunoassay			yes	100%		
				Combaids						
	5	Reactive		Dot Immunoassay	Imm.chromatograph	Imm.conc.assay				
				Combaids	Meriscreen	TREDRO HIV 1-2Ab	yes	100%		
	6	Non		Dot Immunoassay			yes	100.00%		
				Combaids						
	7	Reactive		Dot Immunoassay	Imm.chromatograph	Imm.conc.assay	yes	100.00%		
				Combaids	Meriscreen	TREDRO HIV 1-2Ab				



8	Non Reactive	Dot Immunoassay Combaids	yes	100%

Remarks: Performance is Satisfactory / Unsatisfactory



Name of the Laboratory Incharge :  
Dr.S.Mini Jacob

Signature of Laboratory Incharge  
Date :24 /2/2021






**JAWAHARLAL INSTITUTE OF POSTGRADUATE  
MEDICAL EDUCATION AND RESEARCH  
STATE REFERENCE LABORATORY FOR HIV  
DEPARTMENT OF MICROBIOLOGY**



**External Quality Assessment Scheme for HIV Serology**

JIP/SRL/HIV/21- 91

Date: 01.03.2021

**EQAS REPORT (SRL to ICTCs/Blood banks)**

Round: II

Name of Proficiency Testing Provider: **SRL, JIPMER**

Date Panel Distributed: 24.02.2021

Name of the participating laboratory: **ICTC, JIPMER**

Date results received: 01.03.2021


Sample Code	Standard Result	Results obtained by participating laboratory	% Matching
R2/20-21/1	NR	NR	100 %
R2/20-21/2	R	R	100 %
R2/20-21/3	NR	NR	100 %
R2/20-21/4	R	R	100 %

Keyword: R: Reactive, NR: Non reactive

Remarks: Performance is Satisfactory

Name of Laboratory In-charge: **Dr. Rakesh Singh**

Signature of Laboratory In-charge

  
Additional Professor  
Department of Microbiology  
JIPMER, Puducherry - 6.