



JAWAHARLAL INSTITUTE OF POSTGRADUATE  
MEDICAL EDUCATION AND RESEARCH

STATE REFERENCE LABORATORY FOR HIV  
DEPARTMENT OF MICROBIOLOGY



EXTERNAL QUALITY ASSESSMENT SCHEME FORM

Name of Proficiency Testing Provider: State Reference Laboratory for HIV, JIPMER

Date of proficiency panel distribution: 26.2.21.

Date of testing proficiency panel: 27.2.21.

Date report sent: 13.3.21

HUMAN IMMUNODEFICIENCY VIRUS TYPE-1 (HIV-1)  
ANTIBODY TESTING

**NOTE :**

The HIV-1 performance evaluation samples are undiluted, unaltered individual donor material. It is the intention to provide laboratories with performance evaluation samples that closely resemble the types of specimens that laboratories encounter in their routine daily testing.

EQAS Laboratory Identification No.: SRL611207.

Laboratory Name: PPTCT - RGGWCH

Type of Laboratory: ICTC/PPTCT/FI-ICTC/PPP-ICTC/BLOOD BANK

Address of Laboratory (where testing is undertaken): PPTCT

Street: Ellai pillai chavady

State: Puducherry Postal Code: Telephone No. 0413-2205066.

e-mail: PPTCT.mh@gmail.com Fax No.:

Name of Nodal officer: DR. VANIGOPAL

& Signature

*G. Vanigopal*  
6/3/21  
PPTCT Programme In-charge  
RGGWCH  
Ellai pillai chavady,  
Puducherry.



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### GENERAL INSTRUCTIONS

PLEASE READ ALL INSTRUCTIONS COMPLETELY BEFORE SAMPLE TESTING.

RECORD ALL INFORMATION LEGIBLY AND WITHIN THE APPROPRIATE SPACES.

FILL THE RELEVANT PAGES

PERFORM THE TEST PROCEDURE (S) ON THESE SAMPLES, IN THE SAME MANNER AS THE PATIENT SPECIMENS. DO NOT HEAT INACTIVATE THESE SAMPLES.

Enter your EQAS laboratory identification number in the boxes provided at the of each results form. Your EQAS number can be found on the identification label affixed to the panel box containing your samples.

Follow all the instructions as per kit insert.

### NON REPORTING CODES

#### CODE

#### REASONS FOR NOT REPORTING RESULTS

- |          |  |
|----------|--|
| <b>T</b> | Test not performed in this laboratory      |
| <b>L</b> | Samples lost or destroyed in laboratory    |
| <b>R</b> | Test reagents not available                |
| <b>I</b> | Insufficient sample volume to perform test |
| <b>O</b> | Other (please specify on results form)     |



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### INSTRUCTIONS FOR EQAS SAMPLES

1. As far as possible use the kits provided by NACO.
2. Enter the name of the test kit in the spaces provided.
3. Enter in the spaces provided the complete sample code (one digit code) exactly as it appears on each vial, e.g. 

A	B
---	---
4. For each sample, circle an Interpretation code indicating your interpretation of the reporting test results. Interpretation Codes appropriate for each test procedure are found in the Specific Instructions section for each test.
5. Wherever differentiating kits are used, kindly specify the results as HIV-1 / HIV-2 / HIV-1+
6. **NOTE:** Any clarification required regarding EQAS programme, please contact the Prof & HOD at the following address.

**Address of Proficiency Testing Provider**

**Dr. Sujatha Sistla,  
Laboratory Director,  
State Reference Laboratory for HIV,  
Department of Microbiology,  
JIPMER, Puducherry-605006**

**E mail : srl.pondicherry.jipmer@gmail.com**



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Lab ID No. SRC 6/1/ICT-7

**LABORATORY RESULTS FORM FOR 1<sup>st</sup> RAPID TEST**

NON REPORTING CODE

Name of the test Combaids Type of assay Primmucodet

Manufacturer arkray healthcare

Lot # 4000023336

Date of expiry 20.3.2022

**TEST CONTROLS RESULTS**

**POSITIVE CONTROL:** Positive **NEGATIVE CONTROL:** Negative

**EQAS SAMPLES RESULTS**

Sample Code	Enter Results Applicable as per the procedure	Interpretation (Circle One)
<input type="checkbox"/> 1	<u>Non reactive</u>	R I <b>(NR)</b>
<input type="checkbox"/> 2	<u>Reactive</u>	<b>(R)</b> I NR
<input type="checkbox"/> 3	<u>Non reactive</u>	R I <b>(NR)</b>
<input type="checkbox"/> 4	<u>Reactive</u>	<b>(R)</b> I NR
<input type="checkbox"/>		R I NR
<input type="checkbox"/>		R I NR
<input type="checkbox"/>		R I NR
<input type="checkbox"/>		R I NR

R: Reactive; I: Indeterminate; NR: Nonreactive



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Lab ID No. SRL 6/1/1077

**LABORATORY RESULTS FORM FOR 2<sup>ND</sup> RAPID TEST**

NON REPORTING CODE

Name of the test Meriscreen Type of assay Immuno chromatography  
 Manufacturer Meridian diagnostic  
 Lot # MT 0/2021  
 Date of expiry 6/2021

**TEST CONTROLS RESULTS**

**POSITIVE CONTROL:** Positive      **NEGATIVE CONTROL:** Negative

**EQAS SAMPLES RESULTS**

Sample Code	Enter Results Applicable as per the procedure	Interpretation (Circle One)
<input checked="" type="checkbox"/> 2	<u>Reactive HIV 1</u>	<input checked="" type="radio"/> R    I    NR
<input checked="" type="checkbox"/> 4	<u>Reactive HIV 1</u>	<input checked="" type="radio"/> R    I    NR
<input type="checkbox"/>	_____	R    I    NR
<input type="checkbox"/>	_____	R    I    NR
<input type="checkbox"/>	_____	R    I    NR
<input type="checkbox"/>	_____	R    I    NR
<input type="checkbox"/>	_____	R    I    NR
<input type="checkbox"/>	_____	R    I    NR

R: Reactive;    I: Indeterminate;    NR: Nonreactive



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Lab ID No.

SR 6 | 1 | Te Te | 7

**LABORATORY RESULTS FORM FOR 3<sup>RD</sup> RAPID TEST**

NON REPORTING CODE

Name of the test Tredno Type of assay Immuno dot  
 Manufacturer Merid diagnostic  
 Lot # MT091923  
 Date of expiry 3/2021

**TEST CONTROLS RESULTS**

**POSITIVE CONTROL:** Positive      **NEGATIVE CONTROL:** Negative

**EQAS SAMPLES RESULTS**

Sample Code	Enter Results Applicable as per the procedure	Interpretation (Circle One)
<input checked="" type="checkbox"/> 2	<u>Reactive HIV 1</u>	<input checked="" type="radio"/> R    I    NR
<input checked="" type="checkbox"/> 4	<u>Reactive HIV 1</u>	<input checked="" type="radio"/> R    I    NR
<input type="checkbox"/>		R    I    NR
<input type="checkbox"/>		R    I    NR
<input type="checkbox"/>		R    I    NR
<input type="checkbox"/>		R    I    NR
<input type="checkbox"/>		R    I    NR
<input type="checkbox"/>		R    I    NR

R: Reactive;    I: Indeterminate;    NR: Nonreactive



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FINAL RAPID RESULTS

Sample Code	Results
1	Negative for HIV 1 & 2 Abs.
2	Positive for HIV 1 Abs
3	Negative for HIV 1 & 2 Abs
4	Positive for HIV 1 Abs

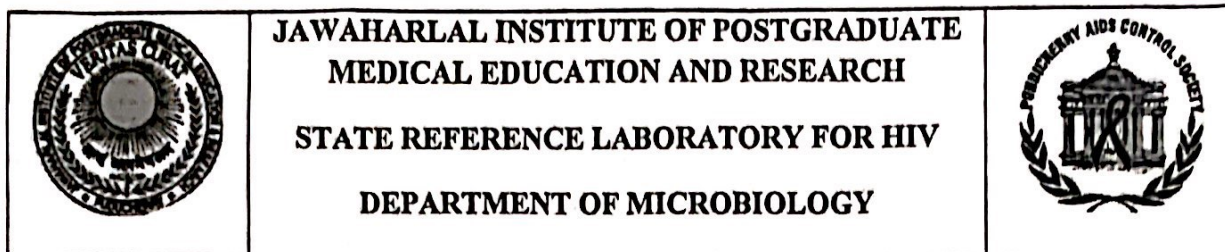
Test Interpretation Codes:

R: Reactive; I: Indeterminate; NR: Nonreactive

S. Bharathi  
Signature of Technician  
Date: 27.2.21

Signature of Nodal Officer  
Date:

*S. V. R.* 6/3/21  
PPTCT Programme In-charge  
RGGWCH  
Ellaipillaichavady,  
Puducherry.



External Quality Assessment Scheme for HIV Serology

JIP/SRL/HIV/21- 151

Date: 13.03.2021

EQAS REPORT (SRL to ICTCs/Blood banks)

Round: II

Name of Proficiency Testing Provider: SRL, JIPMER

Date Panel Distributed: 26.02.2021

Name of the participating laboratory: PPTCT, RGGW&CH

Date results received: 13.03.2021

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

  
PPTCT Programme In-charge  
RGGWCH  
Ellai Pillai Chavady,  
Puducherry.





# National Guidelines for HIV Testing

July 2015



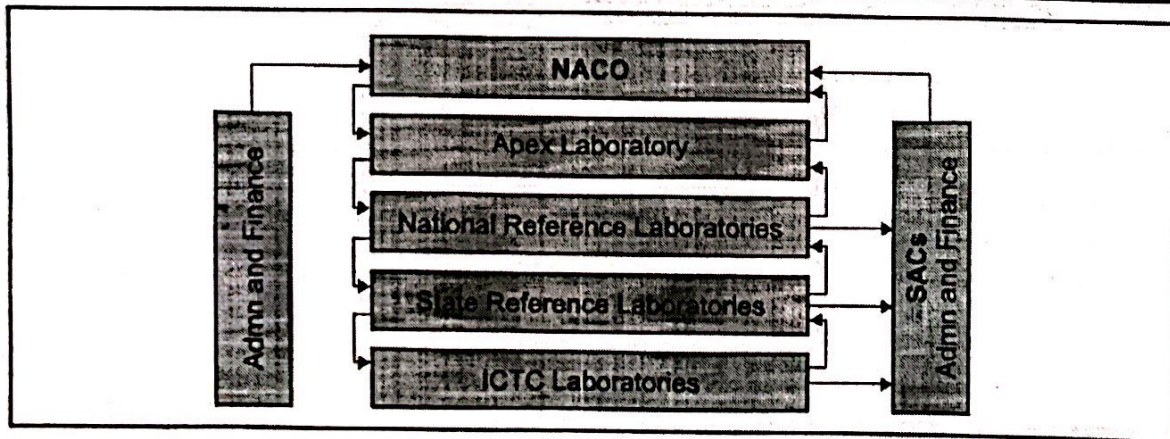
**National AIDS Control Organisation**  
**Ministry of Health & Family Welfare, Government of India**

# 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

(भारतीय 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

**CONFIDENTIAL**

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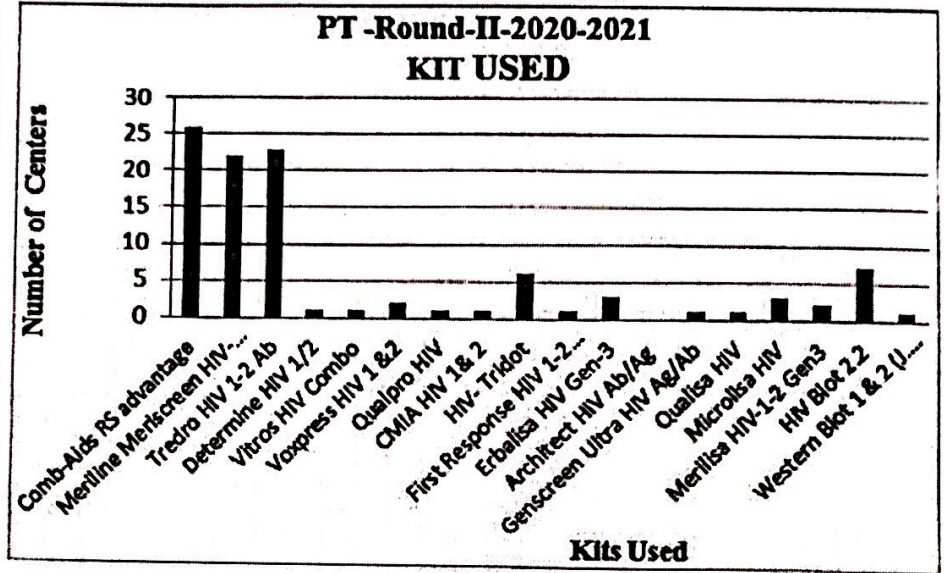
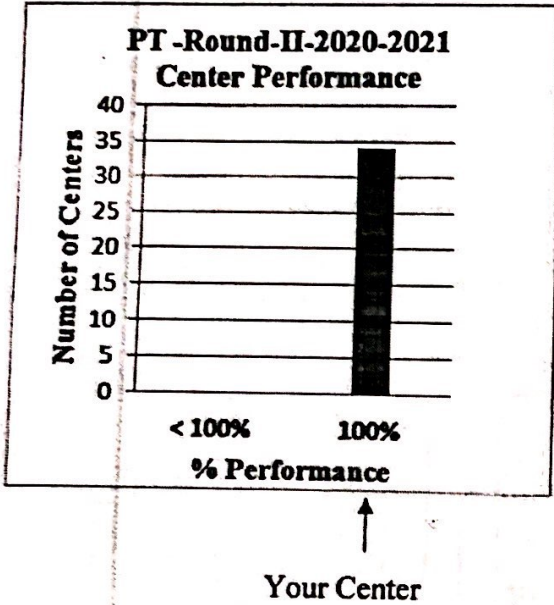
Plot No. 73, 'G' Block, M.I.D.C. Bhosari,  
Pune - 411 026. Post Box No. : 1695  
☎ : 2733 1200  
FAX No. 0091-20-27121071  
E-mail: nari@narindia.org  
Website : www.nari-icmr.res.in

**Proficiency Testing Scheme for HIV Serology**

**Group Performance**

Graphs showing variation in performance between participants

Comparison of kits used by participants



**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 \*\*\*

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**Appendix IV - EQAS PANEL REPORT**

Ref.No

24.2.2021

Round II 2020

Name of Proficiency testing provider: **NRL** Name of the participating Laboratory :**SRL**

Date of panel couriered : 17/2/2021

Date of result received: 24/2/2021

Name of the SRL	Sample code	True Status	SRL result			Matching	
			1st type	2 nd type	3rd type	yes/no	%
			Name of kit	Name of kit	Name of kit		
	1	Reactive	Dot Immunoassay Combaids	Imm.chromatograph Meriscreen	Imm.conc.assay TREDRO HIV 1-2Ab	yes	100.00%
<b>JIPMER</b>	2	Reactive	Dot Immunoassay Combaids	Imm.chromatograph Meriscreen	Imm.conc.assay TREDRO HIV 1-2Ab	yes	100%
	3	Non Reactive	Dot Immunoassay Combaids			yes	100.00%
	4	Non Reactive	Dot Immunoassay Combaids			yes	100%
	5	Reactive	Dot Immunoassay Combaids	Imm.chromatograph Meriscreen	Imm.conc.assay TREDRO HIV 1-2Ab	yes	100%
	6	Non Reactive	Dot Immunoassay Combaids			yes	100.00%
	7	Reactive	Dot Immunoassay Combaids	Imm.chromatograph Meriscreen	Imm.conc.assay TREDRO HIV 1-2Ab	yes	100.00%

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



2/24