CMCVIROEQAS
(Under the aegis of Indian Association of Medical Microbiologists)
PT Unit, Department of Clinical Virology, Christian Medical College,
Vellore-632004, Tamil Nadu
Email: viroeqas@cmcvellore.ac.in Phone: 0416-2283455

13th SEROLOGY CMCVIROEQAS EVALUATION REPORT

PANEL: BBVS

CMCVIROEQAS ID. V1177 **Result Receiving Date:** 20/4/21

Distribution No: 0121

Specimen #	Intended Result			Your Result		
	HIV	HBsAg	HCV	HIV	HBsAg	HCV
S0112101	Negative	Negative	Negative	NEGATIVE	NEGATIVE	NEGATIVE
S0112102	Negative	Negative	Negative	NEGATIVE	NEGATIVE	NEGATIVE
S0112103	Negative	Negative	Negative	NEGATIVE	NEGATIVE	NEGATIVE
S0112104	Negative	Negative	Positive	NEGATIVE	NEGATIVE	POSITIVE
Your Score				**8/8 (100%)**	**8/8 (100%)**	**8/8 (100%)**

Cumulative Report of this cycle:

Total Number of specimens you received : 4

Number of Specimens reported as not examined : 0

Specimen # not used for analysis : 0

Number of Specimens Reported Late for analysis : 0

Your cumulative score for the specimens you reported: 24 out of the possible total of 24

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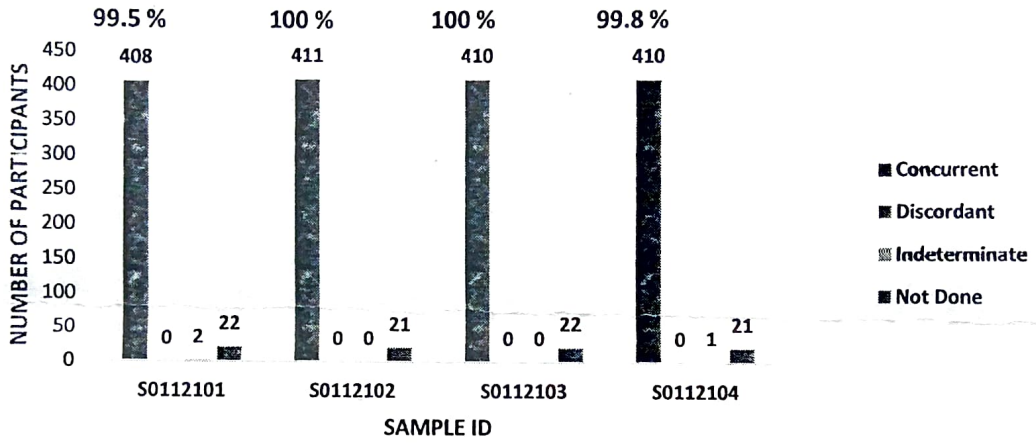
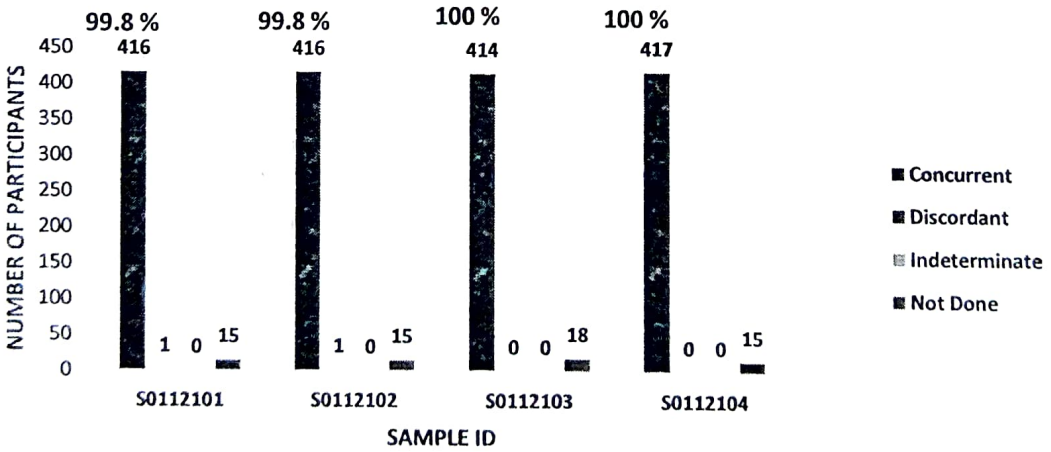
Performance Graph

BBVS - HIV Ag/Ab



BBVS - HBsAg



Comments:

Participants are scored based on qualitative result.

Assigned Value:

Assigned value is determined using multiple assays/multiple testing of the same analyte.

The proficiency testing material is a pooled lyophilized plasma sample prepared by following institutional proficiency testing standard operating protocol (PT-SOP) by trained staff. None of the work related to testing, preparation and packaging of sample is subcontracted. The homogeneity of the PT material is determined using multiple testing of multiple aliquots. The stability of the testing material is determined by assessing the reactivity of the specimen till the closing date.

Standard Deviation Index (SDI):

Standard deviation index is used to analyze your laboratories performance relative to the other participating laboratories. The SDI is calculated for each parameter or marker separately using the formula

SDI = (Your score – interlaboratory mean score)/interlaboratory standard deviation of the score

Scoring System

Qualitative Results	Score
Concordant Result	2
Intermediate/Indeterminate	1
Discordant Result	0

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PC - 1034

14th SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

PANEL: BBVS

CMCVIROEQAS ID. V1177

Opening Date: 09-08-2021

Result Receiving Date: 20/8/21

Distribution No: S221

Specimen #	Intended Result			Your Result		
	HIV	HBsAg	HCV	HIV	HBsAg	HCV
S0122105	Negative	Positive	Negative	NEGATIVE	POSITIVE	NEGATIVE
S0122106	Negative	Negative	Negative	NEGATIVE	NEGATIVE	NEGATIVE
S0122107	Negative	Negative	Negative	NEGATIVE	NEGATIVE	NEGATIVE
S0122108	Positive	Negative	Negative	POSITIVE	NEGATIVE	NEGATIVE
Your Score				**8/8 (100%)**	**8/8 (100%)**	**8/8 (100%)**

Scoring System

Qualitative Results	Score
Concordant Result	2
Intermediate/Indeterminate	1
Discordant Result	0

Reviewed & found satisfactory
2/11/2021

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PC - 1034

Cumulative Report of this cycle:

Total Number of specimens you received : 4

Number of Specimens reported as not examined : 0

Specimen # not used for analysis : 0

Number of Specimens Reported Late for analysis : 0

Your cumulative score for the specimens you reported: 24 out of the possible total of 24

Total Number of participants for BBVS : 536

Total Number of Participants who turned in their results : 485

Standard Deviation Index (SDI)

Performance of the participating Laboratories	HIV Ag/Ab	HBsAg	HCV-Ab
Mean score of all Laboratories	8.0	7.9	8.0
Standard Deviation	0.3	0.5	0.1
Your Laboratory SDI	**0**	**0.2**	**0**

SDI of ± 3 and above indicates possible poor performance

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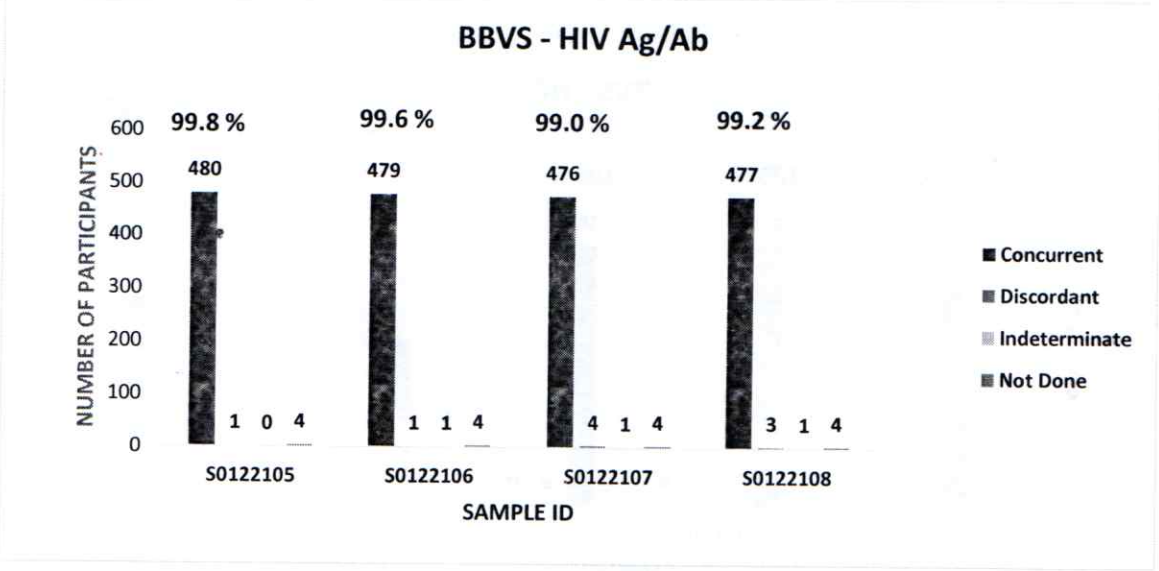
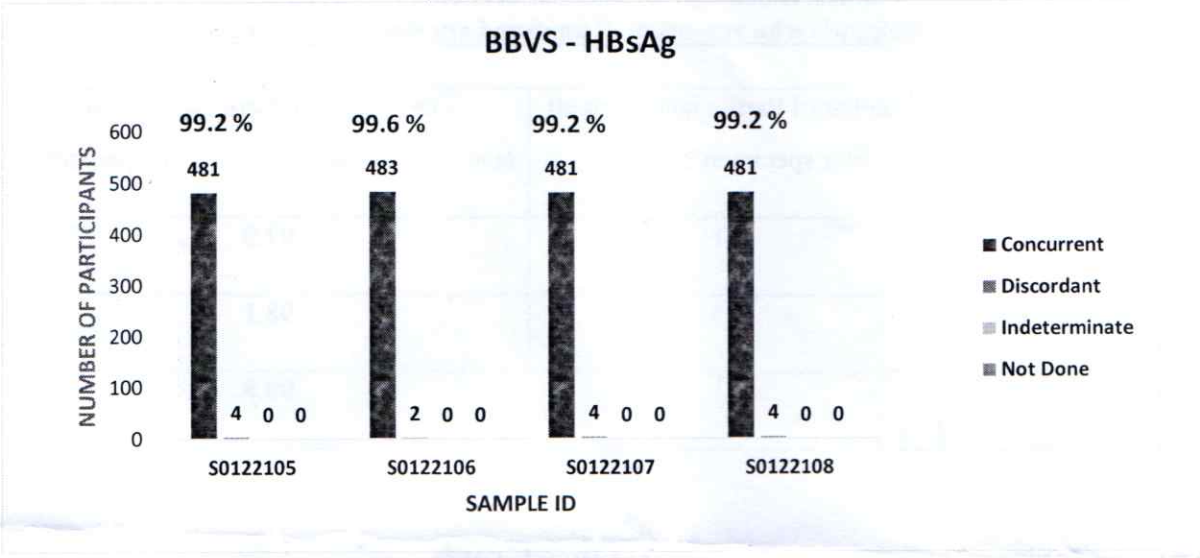
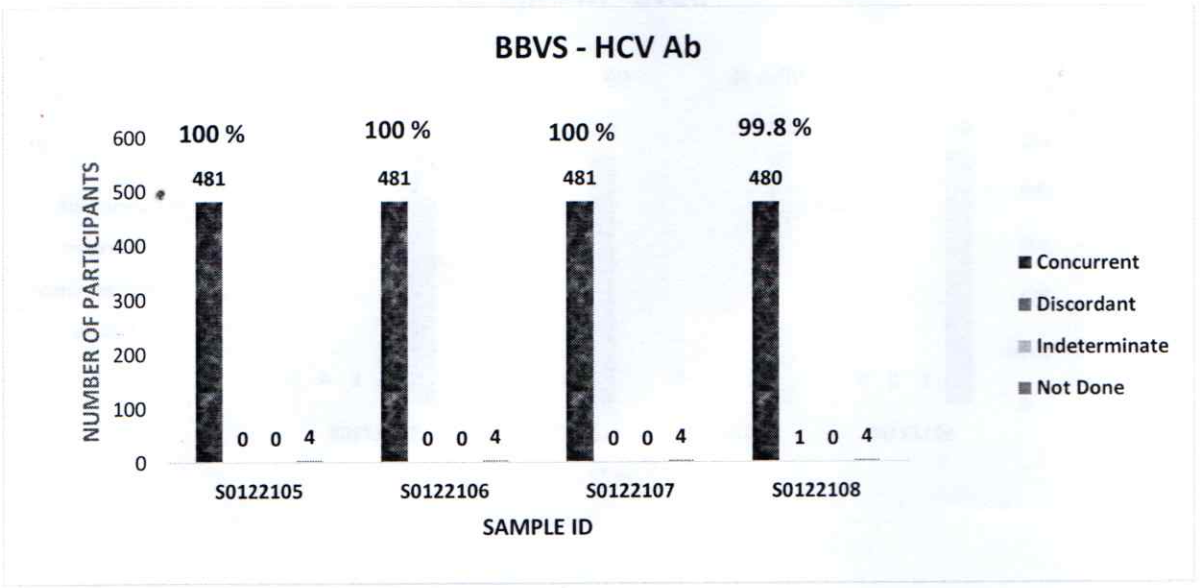
Participants who reported all analyzed specimens accurately

Marker	Number of Participants with all four specimen's results	Percentage of Participants with concordant result from all four specimens
HIV	481	97.9
HBsAg	485	98.1
HCV-Ab	481	99.8

Performance Graph




BBVS - HBsAg
NUMBER OF PARTICIPANTS
600
500
400
300
200
100
0
99.2 %
99.6 %
99.2 %
99.2 %
481
483
481
481
4 0 0
2 0 0
4 0 0
4 0 0
S0122105
S0122106
S0122107
S0122108
SAMPLE ID
Concurrent
Discordant
Indeterminate
Not Done


BBVS - HCV Ab
NUMBER OF PARTICIPANTS
600
500
400
300
200
100
0
100 %
100 %
100 %
99.8 %
481
481
481
480
0 0 4
0 0 4
0 0 4
1 0 4
S0122105
S0122106
S0122107
S0122108
SAMPLE ID
Concurrent
Discordant
Indeterminate
Not Done

	HIV Ag/Ab		HBsAg		HCV-Ab	
	n	Discordant	n	Discordant	n	Discordant
Chemiluminescence	210	4 (1.9%)	212	2 (0.9%)	211	0
ELFA	11	0	11	0	12	0
ELISA	80	2 (2.5%)	68	2 (2.9%)	78	1 (1.3%)
Rapid Assay	180	4 (2.2%)	194	5 (2.6%)	180	0
Not Done	4	-	0	-	4	-

Comments:

This PT program is a simultaneous and continuous scheme. Participants are scored based on qualitative result. If more than 30% of the laboratory report discrepant result that sample will not be considered for analysis.

Confidentiality of the results:

The results are kept confidential between the participant and the provider. The results can be revealed to a regulatory body with written consent from the participant. However, in exceptional circumstances, results from a particular participant will be provided to the regulatory body and the participant will be notified of this action in writing.

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Assigned Value:

Assigned value is determined using multiple assays/multiple testing of the same analyte. The proficiency testing material is a pooled lyophilized plasma sample prepared by following institutional proficiency testing standard operating protocol (PT-SOP) by trained staff. None of the work related to testing, preparation and packaging of sample is subcontracted. The homogeneity of the PT material is determined using multiple testing. The stability of the testing material is determined by assessing the reactivity of the specimen till the closing date. The homogeneity and stability of the materials were found satisfactory as per ISO13528:2015.

Standard Deviation Index (SDI):

Standard deviation index is used to analyze your laboratories performance relative to the other participating laboratories. The SDI is calculated for each parameter or marker separately using the formula

SDI = (Your score – interlaboratory mean score)/interlaboratory standard deviation of the score

Enquiries: For queries, please contact CMCVIROEQAS coordinator at the email **viroeqas@cmcvellore.ac.in** For all communications, please use your **CMCVIROEQAS LAB ID** and **Distribution Number**.

Name of CMCVIROEQAS Coordinator **Signature**

Dr. Rajesh Kannangai
Department of Clinical Virology
Report Dispatch Date: 18-10-2021

Report authorized by: CMCVIROEQAS Coordinator

END OF REPORT