



Received on 4/7/23

Indian Association of Medical Microbiologists
Virology External Quality Assessment Scheme
CMCVIROEQAS, Proficiency Testing Unit, Department of Clinical Virology
Christian Medical College, Vellore-632004, Tamil Nadu
Email: viroeqas@cmcvellore.ac.in Phone: 08438172355

PC - 1034

19th SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

PANEL: BBVS

CMCVIROEQAS ID. **V0857**

Opening Date: 20.03.2023

Closing Date: 21.04.2023

Distribution No: **S123**

Result receiving Date: 06.04.2023

Specimen #	Intended Result			Your Result		
	HIV	HBsAg	HCV	HIV	HBsAg	HCV
S01123001	POSITIVE	NEGATIVE	NEGATIVE	POSITIVE	NEGATIVE	NEGATIVE
S01123002	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE
S01123003	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE
S01123004	NEGATIVE	NEGATIVE	POSITIVE	NEGATIVE	NEGATIVE	POSITIVE
Your Score				8/8 (100%)	8/8 (100%)	8/8 (100%)
Performance grading				E	E	E

Scoring System

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



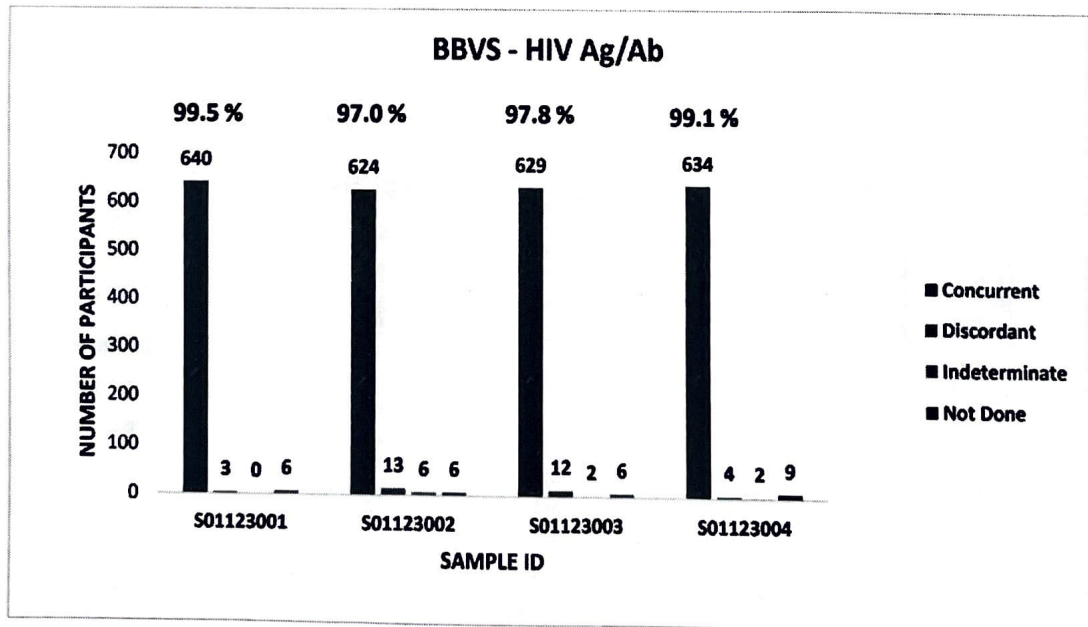
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Participants who reported all analyzed specimens accurately

Marker	Number of Participants with all four specimen's results	Percentage of Participants with concordant result from all four specimens
HIV	640	95.5
HBsAg	646	99.4
HCV-Ab	644	98.4

Performance Graph





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	HIV Ag/Ab		HBsAg		HCV-Ab	
	n	Discordant	n	Discordant	n	Discordant
Chemiluminescence	266	16 (6.0 %)	274	2 (0.7 %)	271	1 (0.4 %)
ELFA	12	0	12	0	14	0
ELISA	80	10 (12.5 %)	100	2 (2 %)	100	3 (3 %)
Rapid Assay	285	16 (5.6 %)	263	0	262	8 (3.1 %)
Not Done	6	-	0	-	2	-
No Info	-	0	-	0	0	0

Comments:

This PT program is a simultaneous and continuous scheme.

The closing date for this cycle was changed to 21-04-2023 since many participants registered late.

Testing Material (Specimen):

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.



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19th SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

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PANEL: Dengue Serology

CMCVIROEQAS ID.:

Opening Date: 20-03-2023

Closing Date: 21-04-2023

Result Receiving Date: 08.04.2023

Distribution No:

Specimen #	Intended Result			Your Result		
	IgM	IgG	NS1	Dengue IgM	Dengue IgG	Dengue NS1
S02123013	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE
S02123014	NEGATIVE	NEGATIVE	POSITIVE	NEGATIVE	NEGATIVE	POSITIVE
S02123015	POSITIVE	POSITIVE	NEGATIVE	POSITIVE	POSITIVE	NEGATIVE
S02123016	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE	NEGATIVE
Your Score				6/6 (100%)	8/8 (100%)	8/8 (100%)
Performance grading				E	E	E

DNP- Did not participate

Scoring System

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

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CMCVIROEQAS

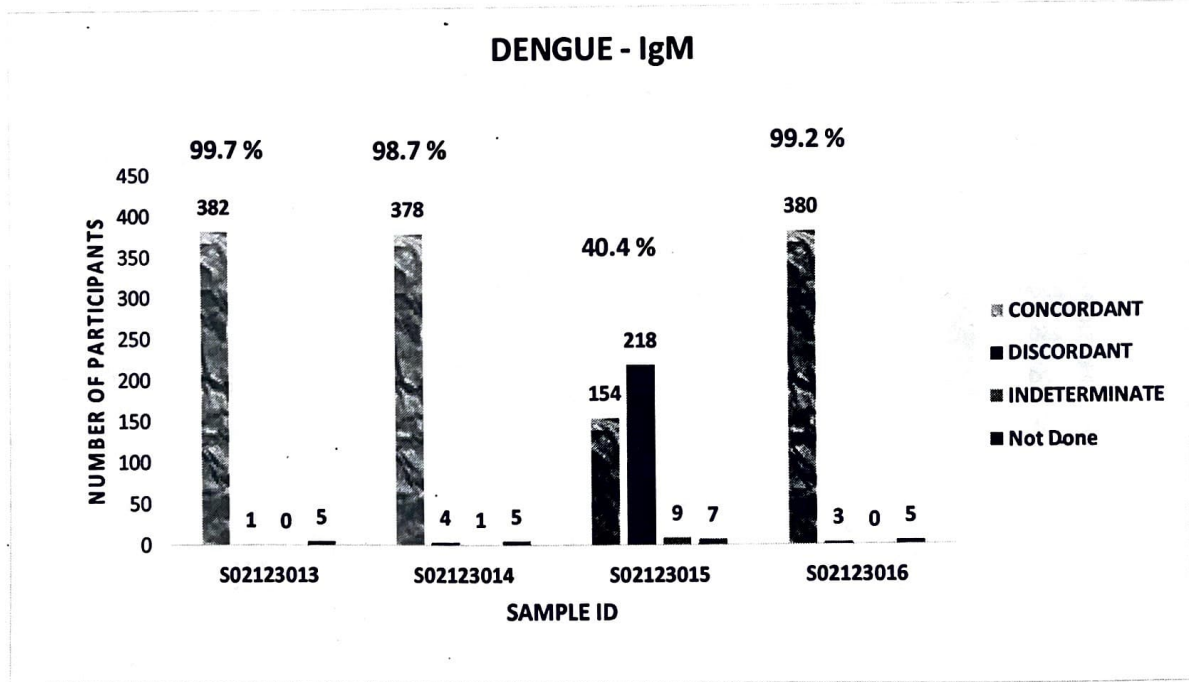
(Under the aegis of Indian Association of Medical Microbiologists)
 PT Unit, Department of Clinical Virology, Christian Medical College,
 Vellore-632004, Tamil Nadu
 Email: viroeqas@cmcvellore.ac.in Phone: 0416-2283455

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Participants who reported all analyzed specimens accurately

Marker	Total number of Participants who reported all specimen results	Percentage of Participants with concordant result for all analyzed specimens
Dengue IgM	383	98.4 %
Dengue IgG	319	75.2 %
Dengue NS1	380	87.1 %

Performance Graphs





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METHOD SUMMARY

	Dengue IgM		Dengue IgG		Dengue NS1	
	n	Discordant	n	Discordant	n	Discordant
RAPID ASSAY	110	1 (0.9 %)	121	59 (48.8 %)	137	36 (26.3 %)
ELFA	33	0	24	0	30	1 (3.3 %)
ELISA	240	5 (2.1 %)	175	19 (10.9 %)	218	9 (4.1 %)
Outside scope of Lab	05	-	68	-	04	-

Comments:

This PT program is a simultaneous and continuous scheme.

Sample ID S02123015 was not used for Dengue IgM analysis because 59.4 % of participants laboratory reports were discordant compared to the assigned value.

The closing date for this cycle was changed to 21-04-2023 since many participants registered late.

Testing Material (Specimen):

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.

PT Unit, Department of Clinical Virology
CHRISTIAN MEDICAL COLLEGE, VELLORE

The data in this CMCVIROEQAS report is confidential