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

PC - 1034

# 15th SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

## PANEL: BBVS

**CMCVIROEQAS ID.** V3277

**Opening Date: 01-11-2021**

**Result Receiving Date:** 15-11-2021

**Distribution No:** S321

| Specimen # | Intended Result | | | Your Result | | |
|---|---|---|---|---|---|---|
| | HIV | HBsAg | HCV | HIV | HBsAg | HCV |
| S0132109 | Negative | Negative | Negative | NEGATIVE | NEGATIVE | NEGATIVE |
| S0132110 | Negative | Negative | Positive | NEGATIVE | NEGATIVE | POSITIVE |
| S0132111 | Positive | Negative | Negative | POSITIVE | NEGATIVE | NEGATIVE |
| S0132112 | Negative | Negative | Negative | NEGATIVE | 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 and found satisfactory



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**Cumulative Report of this cycle:**

Total Number of specimens you received : 4

Number of markers 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 : 505

Standard Deviation Index (SDI)

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

**SDI of ± 3 and above indicates possible poor performance**

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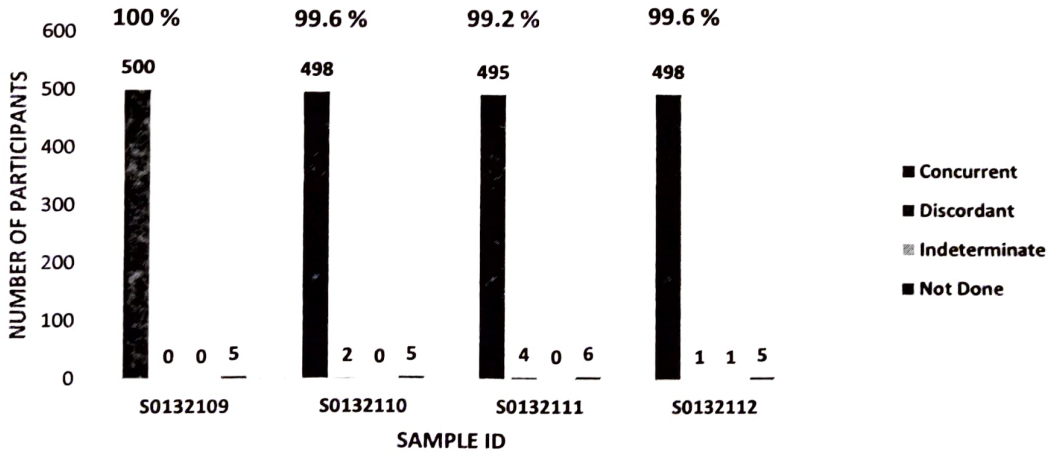
**Participants who reported all analyzed specimens accurately**

| Marker | Number of Participants with all four specimen's results | Percentage of Participants with concordant result from all four specimens |
|---|---|---|
| HIV | 499 | 98.4 |
| HBsAg | 503 | 99.6 |
| HCV-Ab | 500 | 99.4 |

## Performance Graph

### BBVS - HIV Ag/Ab



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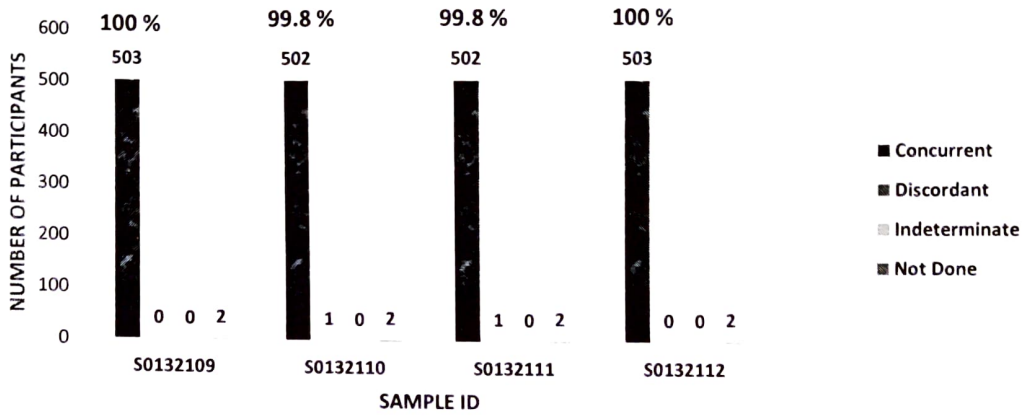
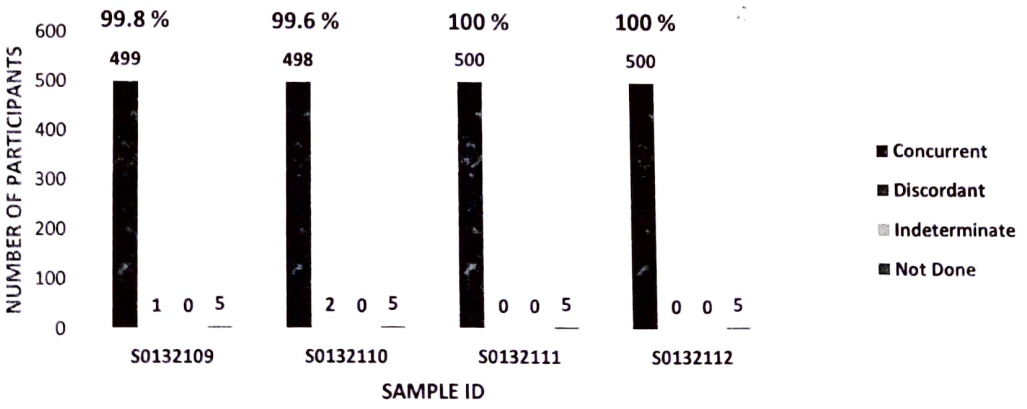
## BBVS - HBsAg




## BBVS - HCV Ab



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| | HIV Ag/Ab | | HBsAg | | HCV-Ab | |
|---|---|---|---|---|---|---|
| | n | Discordant | n | Discordant | n | Discordant |
| Chemiluminescence | 229 | 2 (0.9%) | 219 | 0 | 224 | 1 (0.4%) |
| ELFA | 11 | 1 (9.1%) | 11 | 0 | 13 | 0 |
| ELISA | 77 | 1 (1.3%) | 75 | 0 | 78 | 2 (2.6%) |
| Rapid Assay | 182 | 4 (2.2%) | 198 | 2 (1.0%) | 185 | 0 |
| Not Done | 6 | - | 2 | - | 5 | - |

**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: 28-12-2021**

Report authorized by: CMCVIROEQAS Coordinator

END OF REPORT