



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

11th SEROLOGY CMCVIREQAS EVALUATION REPORT

PANEL: Dengue Serology

CMCVIROEQAS ID.:

Result Receiving Date: 16.09.2020

Distribution No:

| Specimen # | Intended Result | | | Your Result | | |
|------------|-----------------|----------|----------|-------------|------------|------------|
| | IgM | IgG | NS1 | Dengue IgM | Dengue IgG | Dengue NS1 |
| S0322045 | Negative | Negative | Negative | NEGATIVE | NEGATIVE | NEGATIVE |
| S0322046 | Negative | Negative | Negative | NEGATIVE | NEGATIVE | NEGATIVE |
| S0322047 | Negative | Negative | Negative | NEGATIVE | NEGATIVE | NEGATIVE |
| S0322048 | 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
Specimen # not used for Dengue analysis : 0
Number of markers reported as not examined : 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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Total Number of participants : 233

Total Number of participants who turned in their results : 212

Standard Deviation Index (SDI)

| Performance of the participating Laboratories | Dengue IgM | Dengue IgG | Dengue NS1 |
|---|-------------|-------------|-------------|
| Mean score of all Laboratories | 7.9 | 7.8 | 7.9 |
| Standard Deviation | 0.6 | 1.0 | 0.5 |
| Your Laboratory SDI | 0.2 | 0.2 | 0.2 |
| Performance grade | GOOD | GOOD | GOOD |

Participants who reported all analyzed specimens accurately

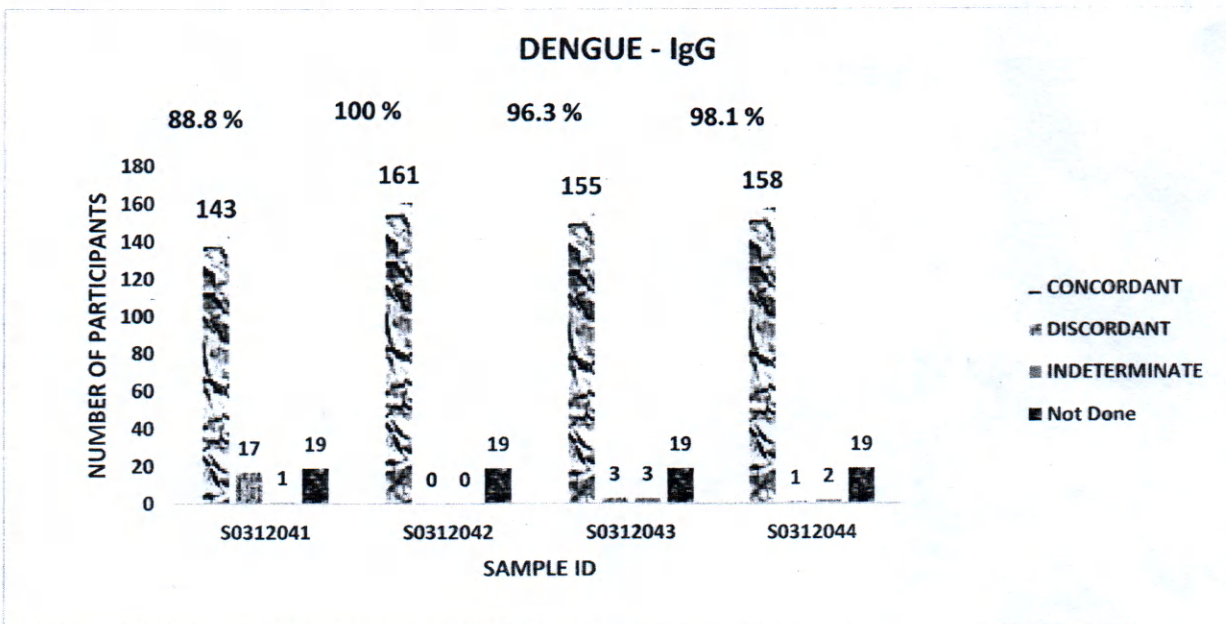
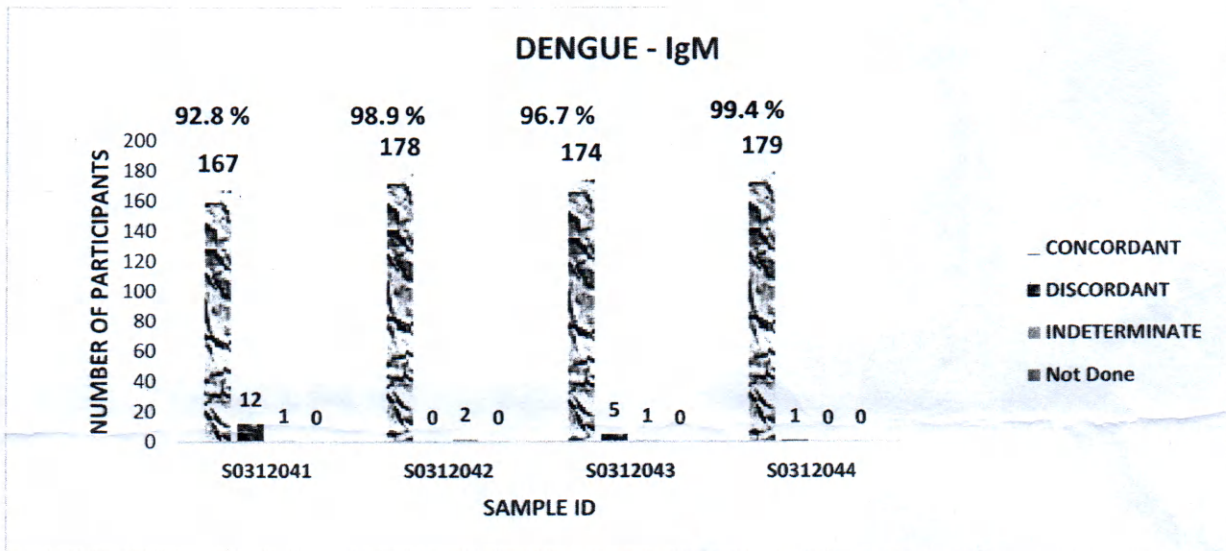
| Marker | Total number of Participants who reported all specimen results | Percentage of Participants with concordant result for all analyzed specimens |
|------------|--|--|
| Dengue IgM | 208 | 98.1 |
| Dengue IgG | 187 | 94.1 |
| Dengue NS1 | 206 | 97.6 |



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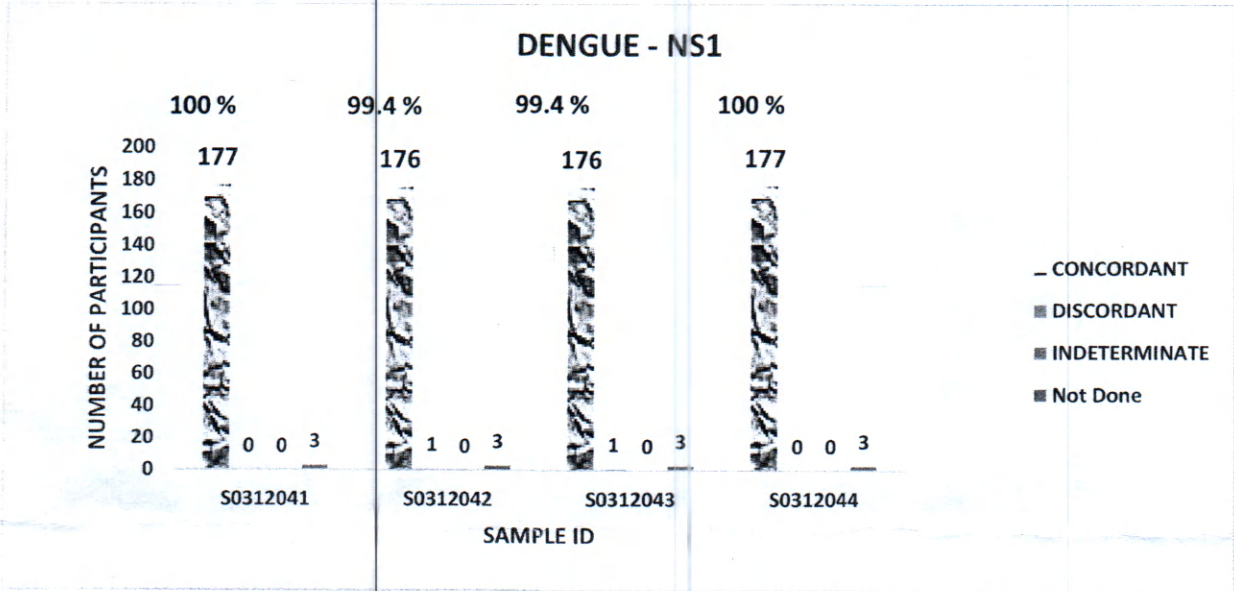
Performance Graphs



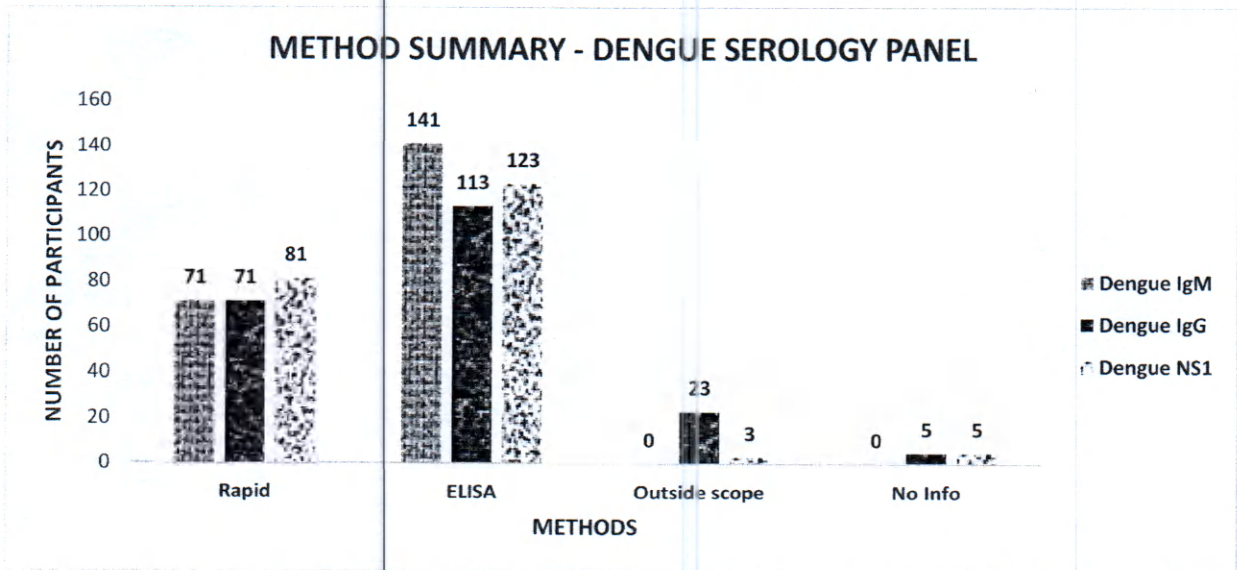


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Method Graph





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| S0322048 | Negative | Negative | Positive | NEGATIVE | NEGATIVE | POSITIVE |
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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

$SDI = (\text{Your score} - \text{interlaboratory mean score}) / \text{interlaboratory standard deviation of the score}$

Scoring System

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



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Performance Score based on Standard Deviation Index (SDI)

| Performance of the participating Laboratories | SDI |
|---|-----------------|
| Good | ± 2.0 |
| Average | $\pm 2.0 - 3.0$ |
| Poor | $\pm >3.0$ |

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

Dr. Rajesh Kannangai

Signature

Department of Clinical Virology

Report Dispatch Date: 05-11-2020

Report authorized by: CMCVIROEQAS Coordinator

END OF REPORT