PC -1033

114th IAMM EQAS Microbiology: Bacteriology/ Serology CMC MICRO EQAS

Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu Email: eqas@cmcvellore.ac.in, Twitter: @microeqas, Phone: +91-416-2282588



JULY 2023

114th EQAS EVALUATION REPORT

MEMBER ID:

Marks Obtained: 76/76 (100%)

JULY 2023 / BACTERIOLOGY SMEARS

Question: Carry out the appropriate staining procedure and document the relevant observation. Provide the Impression or probable organism seen (AS ASKED)

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

PLEASE NOTE: The inaccuracies in the participant report resulting in deduction of marks has been underlined in the expected smear report.

| | | SMI | Exercise Number |
|--|--|---|--------------------|
| | with increasing fever and right knee joint pain and swelling for 1 week. She had a right knee replacement 18 months ago. | Please carry out a Gram stain on the given fixed smear prepared from a FLUID culture specimen obtained from a 70-year-old lady presenting | Question |
| * Clinical impression (1 mark): Septic arthritis | Description of Organism/s (1mark): i Many (0.5) Gram-negative bacilli (0.5) [short, long, slender bacilli] | Presence and grading of Host cells (1 mark): Moderate pus cells | Expected Report |
| | 15 | 0 | Ev |
| 0 | 2 | 0.5 | Evaluation |
| | 2.5 | - | В |

JULY 2023 / SEROLOGY

Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

Peer group (n) = 248

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

| 2 | 2 | · -1.0 | 1.4629 | 6 to 480 | 17.1608 | 28.6615 | Positive | 12 | Positive | CRP | SE3 |
|-------|-------------|--------|--|-----------------|--------------|----------------|--------------------|----------------------|----------------|-----------|-----|
| 2 | 2 | | | Not Applicable | | | Negative | <6 | Negative | CRP | SE2 |
| 2 | 2 | | 3x 3 | | | | Negative | <6 | Negative | CRP | SE1 |
| Score | Marks Score | Z & Z' | Uncertainty of Assigned value | Range (mg/L) | Robust SD | Robust Mean | Intended Result | Your Value (mg/L) | Your Result | Parameter | |

Note: CRP (Latex Agglutination) peer group results of SE1 & SE2 evaluation based on interpretation because the Robust Analysis result is cannot be calculated

This is a confidential document and subject to the rules of confidentiality as described by the ISO 17043:2010 standard.

| | 3 | 0 | ~ |
|--|---|---|---|
|--|---|---|---|

ME

| Maximum marks = 76 | Maxim | 2 | 2 | 2 | 21 | 19 | 19 | 4 | 4 | w |
|--------------------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100% | 76 | 2 | 2 | 2 | 21 | 19 | 19 | 4 | 4 | 3 |
| Marks obtained | Mai | SE3 | SE2 | SE1 | сиз | CU2 | CU1 | SM3 | SM2 | SM1 |

dimmor wise

Dr. Rani Diana Sahni

Report Dispatch Date: 15.10.23 Scientific Co-ordinator

> **Quality Manager** Dr. John A Jude Prakash

****************** End of Report ***************

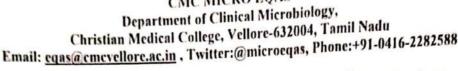
P. BOURT

PT Co-ordinator Dr. V. Balaji

Page 6 of 6

Page 1 of 7







Evaluation criteria and score interpretation for the 114th EQAS package

The 114th EQAS package carries a maximum of 76 marks.

Marks are awarded when the reporting form has been completed and returned in a timely manner. (i.e. As per the date mentioned as the last date – which is 30 days after dispatch of the specimens)

| Exercise evaluated | No of PT Specimens | | Total Mark |
|--|---|---|--|
| Specimens smears for staining & interpretation | 3 | SM2 - 4 MARKS SM3 - 4 MARKS | |
| Culture - Identification and susceptibility testing | 3 | 7 for identification + 2 marks for each anti-microbial tested Culture 1 Culture 2 Culture 3 | 19 19 21 |
| Sera for serology exercises | 3 | SE1 – 2 MARKS SE2 – 2 MARKS SE3 – 2 MARKS | 76 |
| The state of the s | Specimens smears for staining & interpretation Culture - Identification and susceptibility testing | Specimens smears for staining & 3 interpretation Culture - Identification and susceptibility testing | Specimens smears for staining & interpretation Specimens Sm1 - 3 MARKS |

Evaluation format for each exercise

A] BACTERIOLOGY SMEARS:

Aim: To improve the quality and uniformity of reporting diagnostic specimen smears across labs.

Presence of host cell: Pus cells-many/moderate/few/no (and/or) epithelial cells -many/ moderate/few/no (1 mark). Presence of organism/s and gram stain finding, morphology (shape), arrangement and any other special characteristics observed and grading (2marks)

Probable organism / Impression (as asked in the question paper) (1mark)

B] BACTERIOLOGY CULTURE:

Aim: To achieve accurate identification of organism using microscopy, culture and biochemical characteristics. To continuously update information on susceptibility testing methodology, interpretation criteria and the important resistance mechanisms.

Microscopy: Gram stain / Hanging drop (1 mark),

Culture finding + key biochemical characteristics -minimum 3 characteristics* (4 marks), Final identification (2 marks)

*PLEASE NOTE: The most important biochemical tests performed to identify the given organisms is required to be reported with a minimum of 3 important characteristics.

If automated identification has been performed, the culture findings and the automated reports need to be provided.

Susceptibility (2 marks / drug)

Page 1 of 2

NOTE 1: Only ONE FINAL susceptibility report for each drug tested is to be reported as would be reported for a diagnostic specimen. If two reports with discrepant interpretations are reported, they are marked as an

NOTE 3: Automated susceptibility reports will be accepted and evaluated, if, the participating laboratory has included NOTE 2: VITEK/ E-test MIC are awarded the complete mark if the interpretation is consistent with the expected report the report in their reporting form as their final susceptibility report.

Susceptibility interpretation errors:

Minor error (mE): Susceptible / resistant isolate reported as intermediate susceptible (1 mark deducted)

Major error (ME): Susceptible isolate reported as resistant (2 marks deducted)

Very major error (VME): Resistant isolate reported as susceptible (3 marks deducted)

C SEROLOGY:

Qualitative (2 marks for each scrum)

- Result have to be given as Positive or Negative only
- Correct interpretation: Full marks (2 marks)
- Semi Quantitative / Quantitative (2 marks for each serum) Wrong Interpretation: Zero mark (0 mark)

Turbidimetry, etc.,) by robust analysis and the marking format is based on Z & Z' score, as given below As per ISO: 13528:2015, we assess participants results for different peer groups (Nephelometry,

Z & Z' score system for Values

| 0 mark | Incorrect | i∨ ယ |
|------------------|-------------------|--------------|
| l mark | Partially correct | >2 but < 3 |
| 2 marks | Correct | ≤2 |
| Marks for values | Category | Z & Z' Score |

Note: CRP (Latex Agglutination) peer group results of SE1 & SE2 evaluation based on interpretation because the Robust Analysis result is cannot be calculated

Performance / Score interpretation

A] Acceptable mark for inclusion of a parameter in the evaluation:

The proficiency test (PT) parameter marks will be included in the final scoring if >70% of participants get acceptable

scores for that parameter.

B] Acceptable individual parameter score:

The acceptable score for each individual parameter is ≥50%

C] Acceptable overall participant performance:

The overall performance will be considered acceptable if the PT participant scores ≥50% of the total marks.

CONTRACTOR SON

S. K. D G. W. B. S.

.

Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu Email: eqas@cmcvellorc.ac.in, Twitter: @microcqas, Phone: +91-416-2282588



FEBRUARY 2023

113th EQAS EVALUATION REPORT

MEMBER ID:

8 0

Marks Obtained: 66/66 (100%)

FEBRUARY 2023 / BACTERIOLOGY SMEARS

Question: Carry out the appropriate staining procedure and document the relevant observation. Provide the Impression or probable organism seen (AS ASKED)

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

PLEASE NOTE: The inaccuracies in the participant report resulting in deduction of marks has been <u>underlined</u> in the expected smear report.

| | ior 10 days. | prese | given BLO | mber |
|------------------------|--|--|--|-----------------|
| | days. | presenting with high grade fever with fatigue, night sweats and joint pains | Please carry out a Gram stain on the given fixed smear prepared from a BLOOD culture specimen obtained | Question |
| (Compression and Case) | Probable organism (1 mark): Staphylococcus spp (1) (Staphylococcus aureus) | Gram-positive (1) spherical cocci arranged in groups (1), (pairs, scattered forms are also seen) | Description of Organism/s (2marks): | Expected Report |
| 1 p.16 | 5 | | 0 | Ev |
| 0 | 2 | | 0.5 | Evaluation |

2.5

FEBRUARY 2023 / SEROLOGY

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

Peer group (n) = 266SE1: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

| | | | | | 0072 | | | | |
|-----------------|-------------------------------------|-----------------|--------------|----------------|--------------------|-------------------------|----------------|-----------|-----|
| | BLE | NOT APPLICABLE | 7 | | Negative | <6 | Negative | CRP | SE1 |
| Z & Z' score | Uncertainty of Assigned value | Range (mg/L) | Robust SD | Robust Mean | Intended Result | Your Value (mg/L) | Your Result | Parameter | |

Peer group (n) = 507SE2: Test method employed for detection Antistreptolysin O (ASO) at your lab: Latex Agglutination

| 2 | 2 | | LE | NOT APPLICABLE | 7 | | Negative | <200 | Negative | ASO | SE2 |
|---------------|-------------------------|-----------------|-------------------------------------|------------------|--------------|----------------|--------------------|--------------------------|----------------|-----------|-----|
| Your Score | Max Your Marks Score | Z & Z' score | Uncertainty of Assigned value | Range (IU/mL) | Robust SD | Robust Mean | Intended Result | Your Value (IU/mL) | Your Result | Parameter | |

SE3: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

| 2 | -0.9 | 1.2778 | 6 to 384 | 15.4690 | 25.7046 | Positive | 12 | Positive | CRP | SE3 |
|-------------------------|-----------------|-------------------------------|-----------------|--------------|----------------|--------------------|-------------------------|----------------|-----------|-----|
| Max Your Marks Score | Z & Z' score | Oncertainty of Assigned value | Range (mg/L) | Robust SD | Robust Mean | Intended Result | Your Value (mg/L) | Your Result | Parameter | |

Marks Obtained: 73/77 (94.8%)

hance will

Disclaimer:

This is a confidential document and subject to the rules of confidentiality as described by the ISO 17043:2010 standard.

| | - |
|----|------------------|
| | |
| | |
| | |
| | - |
| | |
| • | |
| | - |
| | .5 |
| | |
| 1 | |
| | |
| | ~ |
| 1 | _ |
| | |
| | |
| | \boldsymbol{z} |
| 1 | \sim |
| | |
| | |
| | |
| | _ |
| | _ |
| | |
| | |
| | |
| | |
| ٦. | |
| 1 | |
| | |
| | |

| - | | |
|---|---|--|
| | Z | |
| | 0 | |
| | 8 | |
| 1 | 0 | |
| | 2 | |

| Maximum marks = 66 | Maximum | 2 | 2 | 2 | 19 | 15 | 15 | 4 | 4 | w |
|--------------------|----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 100% | 66 | 2 | 2 | 2 | 19 | 15 | 15 | 4 | 4 | 3 |
| btained | Marks obtained | SE3 | SE2 | SE1 | сиз | CU2 | cuı | SM3 | SM2 | IMS |

A DUMMIN COLOR

Report Dispatch Date: 15.6.23 Scientific Co-ordinator Dr. Rani Diana Sahni

> Dr. John A Jude Prakash **Quality Manager**

> > 15. BONGAN

Dr. V. Balaji PT Co-ordinator

***************** End of Report ************



-

Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu Email: eqas@cmcvellore.ac.in, Twitter: @microcqas, Phone: +91-416-2282588



NOVEMBER 2022

112th EQAS EVALUATION REPORT

MEMBER ID:

NOVEMBER 2022 / BACTERIOLOGY SMEARS

Question: Carry out the appropriate staining procedure and document the relevant observation. Provide the Impression or probable organism seen (AS ASKED)

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

PLEASE NOTE: The inaccuracies in the participant report resulting in deduction of marks has been underlined in the expected smear report.

| | | | | SMI | Exercise Number |
|--|--|-------------------------------------|-------------------------------------|---|--------------------|
| | | cough with rusty sputum for 2 days. | from a 74-year-old gentleman | Please carry out a Gram stain on the given fixed smear prepared from a SPIITIIM culture specimen obtained | Question |
| Interpretation and advice (1 mark): Bartlett criteria or any other accepted criteria applied- (0.5) Improperly collected specimen. (0.25) Suggest repeat appropriately collected specimen for culture (0.25) | Many GNB, GPC pairs, chains, groups, oval budding yeast like organisms with pseudo hyphae, slender non-palisading GPB, moderate GNC groups | ANY 4 MENTIONED (0.5 marks each) | Description of Organism/s (2marks): | Presence and grading of Host cells (1 mark): Occasional pus cells (0.5), Many epithelial cells (0.5) | Expected Report |
| 3 | | 1.5 | | 0 | Eva |
| 3.5 | | 2 | | 0.5 | Evaluation |
| (-) | | 2.5 | | - | |

Page 1 of 7

Marks Obtained: 73/77 (94.8%)

NOVEMBER 2022 / SEROLOGY

Please refer the attached evaluation format/answer template for details on the criteria for evaluation.

| Parameter Correct Incorrect STO STH Interpretation STO STH | | 2 | Not Suggestive of Enteric Fever / Typhoid Fever | Negative | Negative | | < | SE1 Widal* | SE1 |
|--|-----|-----|--|----------|----------|-----------|-------------|------------|------|
| Your Interpretation Intended Result Correct Incorrect STO STH Interpretation | - 1 | | | | | | 9 | | |
| Your Interpretation Intended Result | | STO | Interpretation | STH | STO | Incorrect | Correct | meter | Para |
| Intended Result | - 1 | | | | | | • | | |
| | | M | ed Result | Intende | | retation | Your Interp | | |

*Negative at 1:20 dilution

| | | | NOT DONE | | | Syphilis ELISA | |
|-------|-----------|-----------|----------|-----------------|--------------|----------------|-----|
| 2 | 2 | | 4 | Non-Reactive | Non-Reactive | ТРНА | SE2 |
| 2 | 2 | | | Non-Reactive | Non-Reactive | RPR/VDRL | |
| , | | | | | | | |
| Score | Max Marks | Incorrect | correct | Intended result | Your Result | Parameter | |

SE3: Test method employed for detection C-reactive protein (CRP) at your lab: Latex Agglutination

| -1.3 | 1.7570 | 5 to 240 | 20.2228 | 31.6832 | Positive | >6 | Positive | CRP | SE3 |
|--------|----------------------|-----------------|--------------|----------------|--------------------|-------------------------|----------------|-----------|-----|
| Z & Z' | of Assigned value | Range (mg/L) | Robust SD | Robust Mean | Intended Result | Your Value (mg/L) | Your Result | Parameter | |

<u>Disclaimer:</u> This is a conf





pisclaimer:

This is a confidential document and subject to the rules of confidentiality as described by the ISO 17043:2010 standard.

MEMBER ID:

| Maximum marks = 77 | Maximum | 2 | 4 | 4 | 19 | 19 | 17 | 4 | 4 | 4 |
|--------------------|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 94.8% | 73 | 2 | 4 | 4 | 19 | 18 | 17 | 1 | 4 | 4 |
| Marks obtained | Marks | SE3 | SE2 | SE1 | сиз | CU2 | CU1 | SM3 | SM2 | SMI |

100mmmains

Dr. Rani Diana Sahni Scientific Co-ordinator Report Dispatch Date: 15.02.23

> Dr. John A Jude Prakash Quality Manager

ohn A Jude Prakash

R. Waran

Dr. V. Balaji PT Co-ordinator

************ End of Report ***********



Department of Clinical Microbiology, Christian Medical College, Vellore-632004, Tamil Nadu Email: eqas@cmcvellore.ac.in , Twitter:@microeqas, Phone:+91-0416-2282588



Evaluation criteria and score interpretation for the 112th EQAS package

The 112th EQAS package carries a maximum of 77 marks.

Marks are awarded when the reporting form has been completed and returned in a timely manner. (i.e. As per the date mentioned as the last date - which is 30 days after dispatch of the specimens)

The distribution of marks is as follows:

| S.No | Exercise evaluated | No of PT Specimens | Marks per specimen | Total Marks |
|------|---|--------------------|---|-------------|
| 1 | Specimens smears for staining & interpretation | 3 | SMI – 4 MARKS SM2 – 4 MARKS SM3 – 4 MARKS | 12 |
| 2 | Culture - Identification and susceptibility testing | 3 | 7 for identification + 2 marks for each anti-microbial tested Culture 1 | 17 |
| | | | Culture 2 | 19 |
| | | | Culture 3 | 19 |
| 3 | Sera for serology exercises | 3 | SEI – 4 MARKS SE2 – 4 MARKS SE3 – 2 MARKS | 10 |
| | Total | | DES 2 Harries | 77 |

Evaluation format for each exercise

A] BACTERIOLOGY SMEARS:

Aim: To improve the quality and uniformity of reporting diagnostic specimen smears across labs.

Presence of host cell: Pus cells-many/moderate/few/no (and/or) epithelial cells -many/ moderate/few/no (1 mark). Presence of organism/s and gram stain finding, morphology (shape), arrangement and any other special characteristics observed and grading (2marks)

Probable organism / Impression (as asked in the question paper) (1mark)

B| BACTERIOLOGY CULTURE:

Aim: To achieve accurate identification of organism using microscopy, culture and biochemical characteristics. To continuously update information on susceptibility testing methodology, interpretation criteria and the important resistance mechanisms.

Microscopy: Gram stain / Hanging drop (1 mark),

Culture finding + key biochemical characteristics -minimum 3 characteristics* (4 marks), Final identification (2 marks)

*PLEASE NOTE: The most important biochemical tests performed to identify the given organisms is required to be reported with a minimum of 3 important characteristics.

If automated identification has been performed, the culture findings and the automated reports need to be provided. Susceptibility (2 marks / drug)

Page 1 of 2



NOTE 1: Only ONE FINAL susceptibility report for each drug tested is to be reported as would be reported for a diagnostic specimen. If two reports with discrepant interpretations are reported, they are marked as an incorrect answer.

NOTE 2: VITEK/ E-test MIC are awarded the complete mark if the interpretation is consistent with the expected report.

NOTE 3: Automated susceptibility reports will be accepted and evaluated, if, the participating laboratory has included the report in their reporting form as their final susceptibility report.

Susceptibility interpretation errors:

Minor error (mE): Susceptible / resistant isolate reported as intermediate susceptible (1 mark deducted)

Major error (ME): Susceptible isolate reported as resistant (2 marks deducted)

Very major error (VME): Resistant isolate reported as susceptible (3 marks deducted)

C| SEROLOGY:

| Qualitative (2 marks for each serum) | Semi quantitative / Quantitative (2 marks for each serum) |
|--|---|
| Correct interpretation: Full marks (2 marks) | Interpretation (1 mark) |
| Wrong Interpretation: Zero mark (0 mark) | Correct interpretation: One mark (1 mark) |
| | Wrong Interpretation: Zero mark (0 mark) |
| | Values (1 mark) |

As per ISO: 13528:2015, we assess participants results for different peer groups (Nephelometry, Turbidimetry, etc.,) by robust analysis and the marking format is based on Z & Z' score, as given below.

Z & Z' score system for Values

| Z & Z' Score | Category | Marks for values |
|--------------|-------------------|------------------|
| ≤ 2 | Correct | 1 mark |
| >2 but < 3 | Partially correct | 0.5 mark |
| ≥ 3 | Incorrect | 0 mark |

Note:

- 1. For WIDAL, RPR, TPHA: Expected value is determined by the Proficiency Testing Provider (PTP).
- 2. For Syphils ELISA: As variable results are obtained by different assays, it has been excluded from the final evaluation.

Performance / Score interpretation

A] Acceptable mark for inclusion of a parameter in the evaluation:

The proficiency test (PT) parameter marks will be included in the final scoring if >70% of participants get acceptable scores for that parameter.

B| Acceptable individual parameter score:

The acceptable score for each individual parameter is ≥50%.

C| Acceptable overall participant performance:

The overall performance will be considered acceptable if the PT participant scores ≥50% of the total marks.

Page 2 of 2







PC - 1034

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
21st SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

PANEL: HBV SEROLOGY

CMCVIROEQAS ID.:

V3534

Opening Date: 18-09-2023

Closing Date: 09-10-2023

Distribution No:

S323

Result Receiving Date: 28.09.2023

| | | lı | ntended Re | sult | | | | Your Resu | lt | |
|---------------|-------|----------|-------------------------------------|-------------------------|---------------|-------------|-------|---------------------------|-------------------------|---------------|
| Specimen # | HBsAg | HBeAg | *Anti- HBsAg Median mIU/mL | Anti- HBcAg Total | Anti HBeAg | HBsAg | HBeAg | *Anti- HBsAg mIU/ml | Anti- HBcAg Total | Anti HBeAg |
| S03323033 | NEG | NEG | 120.9 | NEG | NEG | NEG | NEG | >250 | NEG | NEG |
| S03323034 | NEG | NEG | 0.0 | NEG | NEG | NEG | NEG | 1.427 | NEG | NEG |
| S03323035 | NEG | NEG | 0.2 | NEG | NEG | NEG | NEG | 0.68 | NEG | NEG |
| 803323036 | POS | POS | 0.2 | POS | NEG | POS | POS | 0.612 | POS | NEG |
| | | Your Sco | ore | | 5 (5 d) | 8/8 100% | 8/8 | 8/8 100% | 8/8 100% | 8/8 100% |
| | Perfo | rmance g | grading | | | E | E | Е | E | E |

*>10mIU/ml is considered positive for Anti-HBsAg

ND - Not Done; NEG - Negative; POS - Positive; IND - Indeterminate; MIN-Minimum

Page 1 of 8

PT Unit, Department of Clinical Virology
CHRISTIAN MEDICAL COLLEGE, VELLORE
The data in this CMCVIROEQAS report is confidential









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

21st SEROLOGY CMCVIROEQAS EVALUATION FINAL REPORT

PANEL: BBVS

CMCVIROEQAS ID.

V3534

Opening Date: 18-09-2023

Closing Date: 09-10-2023

Distribution No:

S323

Result receiving Date: 28.09.2023

| Specimen # | | Intended Resu | ılt | | Your Result | |
|------------|-------------|---------------|----------|------------|-------------|------------|
| | HIV | HBsAg | HCV | HIV | HBsAg | HCV |
| S01323009 | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |
| 501323010 | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE | NEGATIVE |
| S01323011 | POSITIVE | NEGATIVE | POSITIVE | POSITIVE | NEGATIVE | POSITIVE |
| S01323012 | NEGATIVE | POSITIVE | NEGATIVE | NEGATIVE | POSITIVE | NEGATIVE |
| | Your S | core | | 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 |

Page 1 of 6

PT Unit, Department of Clinical Virology The data in this CMCVIROEQAS report is confidential CHRISTIAN MEDICAL COLLEGE, VELLORE