

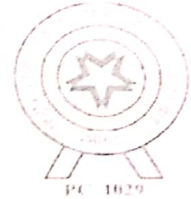


**MICROBIOLOGY EXTERNAL QUALITY ASSURANCE SCHEME**

Under the aegis of Indian Association of Medical Microbiology

**IAMMEQAS New Delhi**

Department of Clinical Microbiology and Immunology  
Sir Ganga Ram Hospital, Rajinder Nagar, New Delhi-110060



Dr. Chand Watal  
Director

Dr. Anand Kumar  
Coordinator

Dr. Deep Singh  
Coordinator

Dr. Gurbinder Singh  
Coordinator

Dr. Kripa Eshwar  
Coordinator

**Result ( Code No: DLH563 / IVY HOSPITAL, S.B.S. NAGAR, PUNJAB )**

Batch Name	26th QC, March	Batch Marks	35
Start By Date	10-Apr-2021	Submit By Date	24-May-2021

**Q 1. Smear :**

**1.1 : Pus Sample:** A 30 year old lactating lady presented with abscess in the left breast. Smear prepared from pus aspirate is provided. Perform Gram stain & report as below. (Marks: 5 )

Expected Result (Cells):--Many PMN cells seen. (Marks :2)

Participant's Answer (Cells):--Neutrophils (Marks :2)

Expected Result (Organism):--Many GPCs (1) in pairs & small groups (1) seen. (Marks :2)

Participant's Answer (Organism):--Gram positive cocci (Marks :1)

Expected Result (Interpretation):--Staphylococcal abscess. (Marks :1)

Participant's Answer (Interpretation):--Streptococcus species (Marks :0)

Marks Obtained :-- 3

**1.2 : Sputum Sample:** A 25 year old man presented with fever, cough & night sweats for 3 weeks. Smear prepared from sputum sample is provided. Perform ZN stain & report giving RNTCP grading. (Marks: 5 )

Expected Result (Findings):--Slender, beaded acid fast bacilli seen. (Marks :1)

Participant's Answer (Findings):--AFB SEEN (Marks :1)

Expected Result (Grading):--AFB seen 2+. (Marks :4)

Participant's Answer (Grading):--1+ (Marks :4)

Marks Obtained :-- 5

**1.3 : ET Sample:** A 65 year old covid-19 patient on ventilatory support. Smear prepared from ET aspirate is provided. Perform Gram stain & report as below. (Marks: 5 )

Expected Result (Cells):--Many (1) PMN (1) cells seen. (Marks :2)

Participant's Answer (Cells):--Neutrophils (Marks :1)

Expected Result (Organism):--Many (1) GNCBs (1) seen. (Marks :2)

Participant's Answer (Organism):--Gram positive cocci in clusters (Marks :0)

Expected Result (Interpretation):--Suggestive of VAP due to Acinetobacter species. (Marks :1)

Participant's Answer (Interpretation):--Staphylococcus species (Marks :0)

Marks Obtained :-- 1

**Q 3. : Serology:**

**3.1 : Please carry out following serological tests on the given samples. (Marks: 8 )**

Q.No.	3.1.1	3.1.2
Test	CRP	Dengue NSI
Expected Result	Positive (Marks: 4)	Negative (Marks: 4)

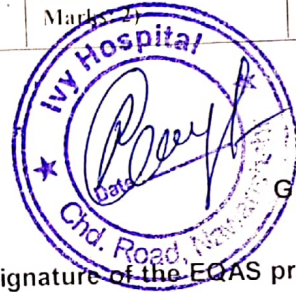
Participant's Answer	Positive (Marks: 4)	Negative (Marks: 4)
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Marks Obtained :- 8

3.2 : Perform the Blood Borne Viral (BBV) serology: HBsAg, HCV and HIV antibody on both the samples (Sample nos. 3.2.1 & 3.2.2) (Marks: 12)

Sample		HIV Antibody	HBsAg	HCV Antibody
3.2.1	Expected Result	Non-Reactive (Marks: 2)	Non-Reactive (Marks: 2)	Non-Reactive (Marks: 2)
	Participant's Answer	Non-Reactive ( Marks: 2)	Non-Reactive ( Marks: 2)	Non-Reactive ( Marks: 2)
3.2.2	Expected Result	Non-Reactive (Marks: 2)	Non-Reactive (Marks: 2)	Reactive (Marks: 2)
	Participant's Answer	Non-Reactive ( Marks: 2)	Non-Reactive ( Marks: 2)	Reactive ( Marks: 2)

Marks Obtained :- 12



Grand Total Marks : 35  
Marks Obtained: 29

Note : This is computer generated report, does not require signature of the EQAS provider.

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## IAMM EQAS New Delhi

Department of Clinical Microbiology and Immunology  
Sir Ganga Ram Hospital, Rajinder Nagar, New Delhi-110060



Dr. Chand Wattal  
Chairman - EQAS

Dr. Jaswinder K. Oberoi  
PT Coordinator - EQAS

Dr. Neeraj Goel  
PT Coordinator - EQAS

Dr. Sanghamitra Datta  
PT Quality Manager - EQAS

Dr. Reena Raveendran  
PT Technical Manager - EQAS

### Answer Sheet ( Code No: DLH563 / IVY HOSPITAL, S.B.S. NAGAR, PUNJAB )

Batch Name	24th QC, July	Batch Marks	35
Start By Date	26-Sep-2020	Submit By Date	06-Nov-2020

- \* Result submission status : Submitted (14-Oct-2020 07:14 AM)
- \* Kindly refer to evaluation scheme as [www.iammeqasdelhi.com](http://www.iammeqasdelhi.com) before filling in the results.
- \* Results filled in this sheet will only be evaluated.

#### Q 1. Smear :

1.1 : ET Sample: A 75 year old man admitted in ICU with ventilatory support. Smear prepared from ET aspirate is provided. Perform Gram stain & report as below. (Marks: 5)

Answer :

Cells :--Neutrophils,lymphocytes

Organism :--Gram positive cocci

Interpretation :--Staphylococcus Infection

1.2 : Peritoneal Fluid: A 63 year old patient diagnosed as ovarian carcinoma on chemotherapy, admitted with abdominal distension. Smear prepared from peritoneal fluid is provided. Perform Gram stain & report as below. (Marks: 5)

Answer :

Cells :--Inflammatory cells, Spores and pseudohyphae

Organism :--Candidia

Interpretation :--Candidiasis

1.3 : Stool Sample: A 55 year old male, HIV positive presented with loose stools. Smear prepared from stool specimen is provided. Perform Kinyoun stain & report as below. (Marks: 5)

Answer :

Findings :--candida, cyclospora oocyst

Interpretation :--HIV related infection

#### Q 3. : Serology:

3.1 : Please carry out following serological tests on the given samples. (Marks: 8)

	(3.1.1) RPR (Marks: 4)	(3.1.2) RA factor (Marks: 4)
Result	Positive	Negative
Method	Card test	Latex Aggutation
Name of Kit	OTHER	Tulip

3.2 : Perform the Blood Borne Viral (BBV) serology: HBsAg, HCV and HIV antibody on both the samples (Sample nos. 3.2.1 & 3.2.2) (Marks: 12)

Sample		HIV Antibody (Marks: 4)	HBsAg (Marks: 4)	HCV Antibody (Marks: 4)
3.2.1	Result	Non-Reactive	Reactive	Non-Reactive