



HEALTH HOLDING

HAFER ALBATIN HEALTH
CLUSTER
MATERNITY AND
CHILDREN HOSPITAL

Department:	Laboratory and Blood Bank (Microbiology)		
Document:	Internal Policy and Procedures		
Title:	Nasal Sinuses Culture		
Applies To:	All Laboratory Staff		
Preparation Date:	January 06, 2025	Index No:	LB-IPP-128
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1. PURPOSE:

- 1.1 To establish system and set responsibilities for processing nasal sinuses swab culture.

2. DEFINITONS:

- 2.1 N/A

3. POLICY:

- 3.1 Sinus aspirates and antral Lavages should be collected into a clean, sterile container.
- 3.2 If a delay in transport or processing is anticipated, the specimen should be kept at 4 °C.

4. PROCEDURE:

4.1 Direct examination:

- 4.1.1 Gram stain, examine for and quantitate the presence of pus cells and organisms.

4.2 Inoculating Culture media:

Media	Incubation
Blood Agar (BA)	O2, 35+2 °C x 48 hours
MacConkey Agar (MAC)	O2, 35+2 °C x 48 hours
Chocolate Agar(CHOC)	CO2, 35+2 °C x 48 hours
Sabouraud Agar (SD)	O2, 30°C x 4 weeks
<u>If anaerobic culture requested, add:</u> Blood Agar (BA)	AnO2, 35+2 °C x 48 hours.

- 4.2.1 Examine the BA, CHOC and MAC plates after 24- and 48-hours incubation and the anaerobic blood agar after 48 hours incubation.

- 4.2.2 Susceptibility testing: Refer to Susceptibility Testing Manual.

4.3 Reporting Results:

- 4.3.1 Gram stain: Report with quantitation the presence of pus cells and organisms.

- 4.3.2 Culture:

- 4.3.2.1 Negative report: "Commensal flora" or "No growth after 48 hours incubation".

- 4.3.2.2 Positive report: Quantitate and report significant isolates with appropriate sensitivities. Report "Commensal flora" if also present.

5. MATERIAL AND EQUIPMENT:

- 5.1 Microbiology Culture media
- 5.2 Gram Stain Reagents
- 5.3 Microscan Combo panels/ Vitek2 ID & AST cards

6. RESPONSIBILITIES:

- 6.1 The assigned technician/ technologist for microbiology unit.
- 6.2 The C. Pathology specialist/ consultant

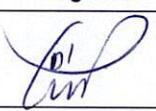
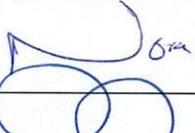
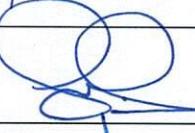
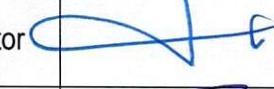
7. APPENDICES:

- 7.1 N/A

8. REFERENCES:

- 8.1 Procedure Manual, Toronto Medical laboratories / Mount Sinai Hospital department of microbiology.
- 8.2 Bailey & Scott's Diagnostic Microbiology. Feingold & Baron; 12th. Ed. 2007, C.V. Mosby Co. p. 301.
- 8.3 Clinical Microbiology Procedures Handbook, American Society of Microbiology, Washington DC, 2005.

9. APPROVALS:

	Name	Title	Signature	Date
Prepared by:	Dr. Kawther M. Abdou	Consultant & Lab. Medical Director		January 06, 2025
Reviewed by:	Ms. Noora Melfi Alanizi	Laboratory & Blood Bank Director		January 08, 2025
Reviewed by:	Mr. Abdulelah Ayed Al Mutairi	QM&PS Director		January 12, 2025
Reviewed by:	Dr. Tamer Mohamed Naguib	Medical Director		January 13, 2025
Approved by:	Mr. Fahad Hazam Alshammari	Hospital Director		January 20, 2025