



HEALTH HOLDING

HAFER ALBATIN HEALTH
CLUSTER
MATERNITY AND
CHILDREN HOSPITAL

Department:	Laboratory and Blood Bank (Microbiology)		
Document:	Internal Policy and Procedures		
Title:	Haemodialysis Water Culture		
Applies To:	All Laboratory Staff		
Preparation Date:	January 06, 2025	Index No:	LB-IPP-126
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1. PURPOSE:

1.1 To establish system and set responsibilities for Dialysis Fluid culture processing.

2. DEFINITONS:

2.1 N/A

3. POLICY:

3.1 Culture dialysis water and dialysate within 30 min of collection, or store at 4°C to 5°C and culture within 24h.

4. PROCEDURE:

4.1 Culture:

4.1.1 Aseptically measure a 1 mL volume of sample using a syringe or sterile dropper.

4.1.2 Immediately distribute the sample on the surface of Muller Hinton (MH) agar carefully for at least 10 seconds.

4.1.3 It is essential to keep the Petri dish flat on the bench throughout the procedure.

4.1.4 Invert the Petri dishes and incubate as follows:

4.1.4.1 Incubate the plates at 35±2 °C for 48h.

4.1.5 Interpretation of the results:

4.1.5.1 For dialysis water must be less than 200 CFU/ml.

4.1.5.2 For dialysate water must be less than 2000 CFU/ml.

4.2 Report of results:

4.2.1 If no growth: write < 1 CFU/ml.

4.2.2 If there is growth count the number & report number of CFU/ml.

5. MATERIAL AND EQUIPMENT:

5.1 Muller Hinton (MH) agar

5.2 Sterile graduated dropper/ Syringe

5.3 O2, 35±2 °C Incubator

6. RESPONSIBILITIES:

6.1 The assigned technician/ technologist for microbiology lab.

6.2 The C. Pathology Specialist/ Consultant.

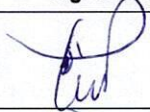

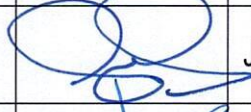


7. APPENDICES:

7.1 N/A

8. REFERENCES:

- 8.1 WHO 2003. Bartram J, Cotruvo J, Exner M, Fricker C, Glasmacher A. Heterotrophic plate count and drinking water safety: The significance of HPCs for water quality and the human health. Published on behalf of the WHO by IWA Publishing © WHO 2003. http://www.who.int/water_sanitation_health/dwq/hpc/en/. p. 1-271.
- 8.2 Procedure Manual, Toronto Medical Laboratories / Mount Sinai Hospital department of microbiology.
- 8.3 Bailey & Scott's Diagnostic Microbiology. Feingold & Baron; 12th. Ed. 2007, C.V. Mosby Co. p. 301.
- 8.4 Clinical Microbiology Procedures Handbook, American Society of Microbiology, Washington DC, 2005.

9. APPROVALS:

	Name	Title	Signature	Date
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