



HEALTH HOLDING

HAFER ALBATIN HEALTH
CLUSTER
MATERNITY AND
CHILDREN HOSPITAL

Department:	Laboratory and Blood Bank		
Document:	Internal Policy and Procedure		
Title:	Notification of Serologically Reactive Blood Donors		
Applies To:	Blood Bank & Public Health Staff		
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1. PURPOSE:

- 1.1 This aims to clarify the role and responsibility of different departments in the notification of serologically reactive blood donors to the preventive medicine in Health Affairs Directorate

2. DEFINITONS:

- 2.1 Serologically Reactive blood donors are the donors whose donated blood had been found reactive to serological tests for Hepatitis B (HBsAg ,HBcAb), or Hepatitis C (HCV Ab) or HIV I & II (Ag-Ab) by ELISA or Nucleic acid amplification technology (NAT).

3. POLICY:

- 3.1 All blood units must be screened to the following transfusion transmitted disease (TTDs) markers according to MOH policy
 - 3.1.1 By Certified FDA ELISA or Immunochemical Tests:
 - 3.1.1.1 HBsAg.
 - 3.1.1.2 Anti-HBc.
 - 3.1.1.3 Anti-HBs for all Anti-HBc positive samples.
 - 3.1.1.4 Anti-HCV.
 - 3.1.1.5 HIV I / II (Ag–Ab).
 - 3.1.1.6 Anti-HTLV I / II.
 - 3.1.2 Serological test for Syphilis (RPR) after the confirmatory test.
 - 3.1.3 Malaria by thick film or other MOH approved tests.
 - 3.1.4 Nucleic acid amplification technology (NAT) testing for direct detection of HBV DNA, HCV RNA and HIV-1 RNA.
- 3.2 Serologically reactive donors are notified regarding their results and are requested to come to meet blood bank physician for any clarification to be completed within eight weeks.
- 3.3 Health authorities are notified about confirmed TTD positive test results (HBV, HCV, HIV) within maximum of 8 weeks of donation.

4. PROCEDURE:

- 4.1 **Blood Bank staff** should send all required samples for serology and NAT testing to Regional Lab of Hafer Al Batin.
- 4.2 **Blood Bank staff** will notify donor with reactive test results and request them to come and meet blood bank physician for any clarification or consultation.
- 4.3 **Blood Bank staff** will notify public health clinic staff about names and donation numbers of any donor with confirmed TTD positive test result.
- 4.4 **Blood Bank staff** will fill a form with demographic data of those blood donors including Name, Nationality, ID number, Donation number, date of donation, address, phone number and positive test

result. This form will be forwarded to the public health clinic and name & signature of the receiving staff should be affixed on it.

- 4.5 A copy of this form with signature of receiving staff is archived in blood bank.
- 4.6 **Blood Bank Physician** will explain results to donor and give required consultation and instruction not to donate blood any more.
- 4.7 **Public Health Clinic staff** will notify the Preventive Medicine Department , Health Directorate , Hafer Al Batin which are responsible for communication with the donors for any infectious disease management , social consultation or assistance.

5. MATERIALS AND EQUIPMENT:

5.1 Forms:

- 5.1.1 Blood Donation Form
- 5.1.2 Serology and NAT results
- 5.1.3 Logbook for donor notification
- 5.1.4 Logbook for public health notification

6. RESPONSIBILITIES:

- 6.1 Blood Bank Staff are responsible for sending demographic data of donors with positive test results for TTD to public health clinic.
- 6.2 Blood Bank Physician will explain results to donor and give required consultation and instruction not to donate blood any more.
- 6.3 Public Health Staff are responsible for notification of Preventive Medicine Department regarding deferred donors due to positive Serology results.

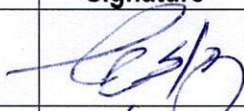





7. APPENDICES:

- 7.1 N/A

8. REFERENCES:

- 8.1 AABB Technical Manual, 20th Edition Bethesda, MD, 2020.
- 8.2 CBAHI Laboratory standards, 3rd edition, 2015
- 8.3 Unified Practical Procedure Manual for Blood Banks in the Arab Countries, 1434H.
- 8.4 Transfusion medicine checklist of CAP.
- 8.5 Good Manufacturing Practice for Blood Establishments, Version 2.0, May 2019, Saudi FDA.

9. APPROVALS:

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