







Issued by JPAC: 11 May 2022

Implementation: To be determined by each Service

Change Notification UK National Blood Services No. 39 - 2022

Hepatitis **B**

These changes apply to Whole Blood and Component Donor Selection Guideline.

Please amend the entry as shown

Definitions	HBV: Hepatitis B virus	
Deminions	HBsAg: Hepatitis B surface antigen	
	Anti-HBs: Antibody against hepatitis B surface antigen	
	Anti-HBS: Antibody against hepatitis B core antigen	
	Anti-ndc. Antibody against hepatitis d core antigen	
	Active hepatitis B infection refers to an individual with circulating HBsAg and/or HBV DNA. This term includes acute and chronic hepatitis B infection. Recovered hepatitis B infection refers to an individual who was previously diagnosed with hepatitis B infection but has subsequently cleared HBV from their circulation.	
	Current exposure refers to an individual who has recent household or sexual contact with an individual with active or recovered hepatitis B infection. 'Recent' is defined as the last 4 months for household contacts or the last 3 months for sexual contacts.	
	Previous exposure refers to an individual who has been a household contact more than 4 months ago, or a sexual contact more than 3 months ago, of someone with active or recovered hepatitis B infection.	
	The longer time period specified for household contact is a requirement of the Blood Safety and Quality Regulations (BSQR).	
	Hepatitis B (HBV) Testing: Unless otherwise stated, HBV testing refers to routine HBsAg and pooled HBV DNA (NAT) testing.	
1. Active or recovered hepatitis B infection		
Obligatory	Must not Donate	
	This includes donors who are identified as anti-HBc positive by Blood Transfusion Service testing	
Discretionary	a) If more than 12 months from recovery and the history of HBV infection is not certain, take samples for HBV and anti-HBc testing. No donation should be taken.	
	b) If the donor has undergone anti-HBc testing by the Blood Transfusion Service, the donor has been approved to donate by a DCSO, and no new risk is disclosed, accept	









Post-session	a) anti-HBc positive donors.
review of results	Must not donate
	b) anti-HBc negative donors who reported hepatitis B infection. If more than 12 months from recovery and,
	 The donor is negative for all markers (HBsAg, screening HBV DNA and anti-HBc negative); and,
	 Review of their clinical history by a DCSO indicates that it is unlikely the donor had HBV infection;
Additional Information	accept for donation. SaBTO have recommended that all donors are tested at least once for anti-HBc, which is a marker of hepatitis B infection. Individuals who have recovered from hepatitis B will remain anti-HBc positive. There is a risk that reactivation of hepatitis B virus in such an individual could give rise to occult hepatitis B infection which is not detected by routine testing. For this reason, donors who are anti-HBc positive are deferred from donation.
	SaBTO included in their recommendations a discretion that anti-HBc positive donors could be accepted if (1) they have adequate immunity to HBV, as demonstrated by an anti-HBs result of greater than 100 iu/l in a validated assay within 24 months of donation and (2) all of their donations will be tested by individual HBV DNA testing. UK Blood Transfusion Services are not currently implementing this approach. These guidelines will be revised should any service implement this additional testing at a future date.
	It is likely that donors who are anti-HBc negative have not had hepatitis B in the past. Such donors can be accepted provided their clinical history has been reviewed by a DCSO. They do not require any additional testing once the diagnosis of hepatitis B has been excluded.
	th current exposure to someone with active HBV infection
Obligatory	Must not donate
Additional Information	Donors who have a sexual partner or household contact with active HBV infection may be at risk of acquiring HBV. Current guidelines do not allow a donor with a recent or ongoing risk of exposure to HBV to give blood, even if the donor is fully vaccinated against HBV.
3. Individuals wit	th current exposure to someone with recovered HBV infection
Obligatory	Must not donate
Discretionary	 a) If: it is at least 3 months after a sexual partner recovered from hepatitis B; and/or
	 it is at least 4 months after a household contact recovered from hepatitis B; take samples for anti-HBc testing, in addition to HBV testing. No donation should
	be taken.
	 b) If the donor has undergone anti-HBc testing by the Blood Transfusion Service, the donor has been approved to donate by a DCSO, and no new risk is disclosed, accept
Post-session review of results	a) If the donor is negative for HBV and Anti-HBc, the donor can be accepted. Additional hepatitis B testing is not required for future donations unless the donor discloses a new risk.
1	b) If any of HBsAg, anti-HBc or HBV DNA are positive, refer to Section 1: Active









the risk of acquiring hepatitis B infection from someone who has recovered from epatitis B is very low. Testing for anti-HBc will rule out the possibility that the onor picked up HBV at an earlier stage when their sexual or household contact ay have been infectious.
the sexual or household contact has no history of hepatitis B but has been told ey are anti-HBc positive, indicating previous infection only, it is likely that everal months have elapsed since the contact cleared the virus from their reculation. The donor can be accepted for anti-HBc testing, as long as their intact has not had an unexplained illness consistent with hepatitis B in the evious 3 months (sexual partner) or 4 months (household contact). There is no quirement to test the sexual partner or household contact.
revious exposure to someone with active or recovered hepatitis B
ust not donate
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 it is at least 3 months since sexual contact, and/or
 it is at least 4 months since household contact,
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If the donor has undergone anti-HBc testing by the Blood Transfusion Service,
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If the donor is negative for HBV and Anti-HBc, the donor can be accepted. Iditional hepatitis B testing is not required for future donations unless the donor
scloses a new risk.
If any of HBsAg, anti-HBc or HBV DNA are positive, refer to Section 1: Active recovered hepatitis B infection
going Hepatitis B immunisation
Known Exposure:
-
ust not donate.
No Known Exposure:
ust not donate if:
ess than seven days since the most recent dose of vaccine was given.
Known Exposure:
it is more than 4 months from the date of exposure, samples can be taken for 3V and anti-HBc testing. No donation should be taken.
No Known Exposure:
it is more than 7 days from the date of the most recent dose of vaccine, accept
If the donor is negative for HBV and Anti-HBc, the donor can be accepted.









	b) If any of HBsAg, anti-HBc or HBV DNA are positive, refer to Section 1: Active or recovered hepatitis B infection
See if Relevant	Hepatitis A – 4. Immunisation Immunoglobulin Therapy
Additional Information	Specific HBV immunoglobulin may be used in the management of individuals who have been exposed to hepatitis B. Administration of hepatitis B vaccine can lead to low level reactivity in HBsAg screening assays. For this reason, donors must be deferred until at least 7 days after receiving a dose of vaccine, even if they have not been exposed to HBV. Hepatitis B vaccine is sometimes given in a combined vaccine with hepatitis A vaccine.
Reason for change	All sections of the hepatitis B entry have been revised to reflect SaBTO recommendations for anti-HBc testing of all blood donors

2025.

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