

Date of publication: 5 June 2013

Implementation: To be determined by each Service

Change Notification UK National Blood Services No. 8 - 2013

Hepatitis B

Applies to the Tissue Donor Selection Guidelines Live Donors, Tissue Donor Selection Guidelines Deceased Donors and Bone Marrow and PBSC Donor Selection Guidelines and the Cord Blood Donor Selection Guidelines

Infected Individual

Obligatory **Must not donate.**

See if Relevant Tissues Safety Entry

History of Infection

Obligatory **Must not donate**

Discretionary If more than 12 months from recovery, obtain history and blood samples and **Refer to Designated Medical Officer.**

Additional Information Only accept if all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative or, HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time, i.e. natural immunity.

Current Sexual Partners of Infected Individuals

Obligatory **Must not donate.**

Discretionary Obtain history and blood samples and: **Refer to Designated Medical Officer.**

See if Relevant Hepatitis B - Post Immunization, Known Exposure

Additional Information Only accept if HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time, i.e. donor has natural immunity to hepatitis B
or

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if more than 12 months from the date the donor was immunised and all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative.

Former Sexual Partners of Infected Individuals

Obligatory	Must not donate.
Discretionary	Obtain history (including time from last sexual contact) and blood samples and: Refer to Designated Medical Officer.
See if Relevant	<u>Hepatitis B - Post Immunization</u> , Known Exposure
Additional Information	<p>a) If less than six months from last sexual contact: Only accept if HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time, i.e. donor has natural immunity to hepatitis B.</p> <p>or</p> <p>if more than 12 months from the date the donor was immunised and all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative.</p> <p>b) If more than six months from last sexual contact: Accept if all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative or, HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time. No evidence of current infection, with or without natural immunity.</p>

Current or Former Sexual Partners of Person who has recovered from hepatitis B infection

Obligatory	Must not donate if less than 12 months from last sexual contact.
Discretionary	Obtain history (including date the partner cleared the HBV infection and the date HBV immunisation of the donor commenced) and blood samples and Refer to Designated Medical Officer.
See if Relevant	<u>Hepatitis B - Post Immunization</u> , Known Exposure
Additional Information	<p>If more than 12 months from the date the partner was stated to have recovered from / cleared HBV</p> <p>or</p> <p>more than 12 months from the date that the donor received the first dose of a course of HBV vaccine</p> <p>AND either</p> <p>all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative</p> <p>or</p> <p>HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time, i.e. donor has natural immunity to hepatitis B, accept.</p>

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Person Sharing Home

Obligatory	Must not donate.
Discretionary	Obtain history (if no longer sharing, include the time since sharing ceased) and blood samples and: Refer to Designated Medical Officer.
See if Relevant	<u>Hepatitis B - Post Immunization</u> , Known Exposure
Additional Information	<p>If still sharing or less than six months since last sharing: Only accept if HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time, i.e. donor has natural immunity to hepatitis B.</p> <p>If has not shared for more than six months: Accept if all markers (i.e. HbsAg, HBV-DNA and HB core antibody) are negative or, HB core antibody positive, HBsAg negative, HBV-DNA negative and anti-HBs has been documented at more than 100 iu/l at some time. No evidence of current infection, with or without natural immunity.</p>
Reason for Change	<p>Clarification regarding hepatitis B markers and natural immunity has been added to the additional information.</p> <p>Partners of an individual with hepatitis B infection may have been vaccinated against hepatitis B infection. If negative for anti-HBc there is no requirement for an anti-HBs result.</p> <p>New additional guidance has been added to cover donors who are/were the partners of people who had recovered from hepatitis B infection.</p>
Update Information	This advice is a requirement of the EU Tissue & Cells Directive.

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