

Other Information

Bone Marrow Registry

The IBTS also runs the Irish Unrelated Bone Marrow Registry which facilitates stem cell transplants for Irish and International patients. If you are interested in joining the bone marrow registry please ask for an information leaflet on clinic, be sure to indicate your interest on the back of the HLQ and inform a staff member before the donation process is started. Further information on bone marrow donation is also available at giveblood.ie/bonemarrow_marrow_registry.



Use of Blood Components and Samples for Research and Development

Not all components from blood donation can be directly transfused to patients; some by-products can be used for research purposes. The IBTS on occasion uses parts of donated blood for laboratory work, education, training or research purposes, within the IBTS, the Health Service or the Universities / Institutes of Technology. This includes white cells which are not given to patients, or blood not used within its shelf life. The IBTS does not receive any payment for this. In order to deliver a high standard quality service the IBTS also, when required, uses blood within its shelf life to validate / quality check a new blood bag or testing kits and equipment.

Some plasma can be used in other ways that indirectly benefit patients, for example in ethically approved medical research, quality control, or for teaching purposes as previously outlined. The IBTS has agreed to supply waste plasma (which would otherwise be disposed of at a cost) to the manufacturing sector for use in preparing healthcare related laboratory tests.

The IBTS also collaborates with some commercial entities to provide remnants of IBTS donor samples for research and development studies such as evaluating performance of manufacturers assays, evaluating materials and qualification of product changes. The IBTS and all blood services rely on commercial tests to ensure safe blood and collaborate in improving assay performance characteristics with commercial companies.

The IBTS considers that this use of donations / samples is appropriate. The IBTS receives payment from these collaborations which helps to offset some IBTS costs and is therefore of benefit to the health service.

If part of a donation or samples are used for any of these purposes we will ensure that you cannot be identified, that there is no link between any personally identifiable data and the sample and that approval from an ethics committee is obtained where necessary.

The testing and use of your blood in the circumstances outlined above is of benefit to patients and by signing the donor declaration on the questionnaire you are giving the IBTS consent to do so where required.

Data Protection and use of personal data

- The IBTS is committed to protecting the confidentiality of donors and to meeting our responsibilities under the Data Protection Acts 1988 – 2018 and the General Data Protection Regulation 679/2016 (GDPR).
- We process your information in order to assess your eligibility to donate; to communicate with you; to ensure both donor and patient safety; to provide safe and suitable blood and tissue products to patients and to ensure the traceability of all donations in line with our legal requirements.
- We also process anonymised data for research purposes. Your information is managed appropriately and securely at all times and we are required to retain records for 30 years.

For more information on the IBTS Data Protection Policy and your Data Protection rights please ask for our leaflet on clinic or see www.giveblood.ie/privacy

Communication

- As part of the donation process you will be asked to consent to the IBTS contacting you after donating and ahead of future donations.
- Texting is the primary method of communication we use pre and post clinic.
- Phone calls are only used for specific requests to attend a clinic and on occasion we contact you by letter where a medical query needs to be answered.
- Email and social media are used to answer donor queries.

For more information on the IBTS communication policy please ask for our leaflet on clinic or log onto www.giveblood.ie and search Privacy.

If you have any further questions please ask one of our staff on the clinic.



BLOOD SAFETY – KEEP TRANSFUSIONS SAFE

Help us keep the blood supply safe for patients by reading this information before you donate.

All donations are tested for infections that can be passed on by blood or platelet transfusions. **Early stage infection may not always show up on testing.** This is why we must take great care in donor selection and why you must not donate to see if you are infected. If you donate to see if you are infected you are putting patients' lives at risk.

You must NEVER donate if:

- You think you need a test for HIV or hepatitis. (You can get a test from your GP or a sexual health clinic)
- You or your partner have HIV or HTLV
- You, your partner or close household contacts have hepatitis B or C*
- You have ever had or been treated for Syphilis or Gonorrhoea
- You have ever received money or drugs for sex
- You have ever injected, or have been injected with, non-prescribed drugs; **even once or a long time ago.** This includes body building drugs and injectable tanning agents

You must NOT donate for at least 12 months after:

- You last snorted cocaine or any non-prescribed drug

You must NOT donate for at least 4 months after you last had sex with:

- Anyone who has:
 - HIV
 - Hepatitis B
 - Hepatitis C*
 - HTLV
- Anyone who has ever been given money or drugs for sex
- Anyone who has ever injected or who has been injected with non-prescribed drugs, **even once or a long time ago.** This includes body-building drugs and injectable tanning agents
- Anyone (including your current partner) who may ever have had sex in parts of the world where HIV is very common. This includes Africa and South East Asia*

Females only

- A male who has ever had oral or anal sex with another male, even 'safer sex' using a condom or pre-exposure prophylaxis (PrEP)*

Males only

- Another male, even 'safer sex' using a condom or pre-exposure prophylaxis (PrEP)

All the above apply even if a condom or other form of protection was used.

** There are exceptions so please speak to a nurse.*

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Donation Information for Platelet Donors

Please read this donation information carefully, you will be asked to sign a donor declaration to confirm that you have read and understood this information and consent to the donation process.



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Registration (New Donor)

In order to create a unique identification for you in the **IBTS** database, you will be asked to provide photo ID and give your name, date of birth, contact details, phone number and email address. This information will be used to contact you and send reminders about clinics. You will be given a Health and Lifestyle questionnaire (HLQ) to complete. This asks specific questions about your health, lifestyle and travel history.

Interview – Health Screening (New Donor)

As a new donor or a donor who has not donated in the last 5 years, you will be interviewed by a Nurse on the clinic following completion of the HLQ that you were given at registration. This is to make sure that you are well enough to donate and that your donation is safe to give to a patient.

Information for new donors born outside of Ireland / the United Kingdom will be provided in a separate leaflet.

On some occasions it may not be possible to accept a donation from you for either medical or other reasons, this will be explained and you will be told if and when you are eligible to attend a clinic again.

As an apheresis donor, only samples are taken following interview on your first ever attendance or if your last donation was greater than 5 years ago. You will also be given additional information by the nurse during the interview to read.

Registration (Regular Donor)

As you have previously registered with the **IBTS** you will be asked to provide photo ID and to confirm your personal details, then you will be given a Health and Lifestyle questionnaire (HLQ) to complete.

Interview – Health Screening (Regular Donor)

On completion of the HLQ you will have an interview with a staff member to assess your eligibility to donate. On some occasions it may not be possible to accept a donation from you for either medical or other reasons, this will be explained and you will be told if and when you are eligible to attend a clinic again.

Consent

You will be asked to read and sign a Donor Declaration on the HLQ following your interview. Please read this carefully as this provides the **IBTS** with permission to:

- Take a donation
- Carry out testing (**HIV, Hepatitis and other infectious agents outlined below**)
- Issue your donation to patients in hospital or for use indirectly as outlined below
- Contact your Doctor or hospital to obtain further information regarding your eligibility to donate, if required.

If you decide at any time that you do not want to go ahead with the donation process you can leave the clinic, please return your questionnaire to a staff member. Once you have provided your information to the **IBTS** in order to donate, it must be retained so that we can meet our statutory requirements. Please ask our staff if you would like more information on this.

Donation Process

Prior to your first donation we will check your Hb and platelet counts. If on the last platelet donation your counts were noted to be lower than the required level, we will check them prior to the donation starting. Your blood pressure and pulse will be checked before you donate. A needle will be inserted into a suitable vein in your arm. This needle is attached to a set loaded on to the apheresis platelet collection machine, a cell separator. This set is only used once and disposed of when the donation finishes.

Samples are collected at the start of this process for routine testing. The tests that are performed on every single donation are for HIV, hepatitis B, hepatitis C, hepatitis E, HTLV (a virus carried in the blood) and syphilis. We will also test your Hb and platelet level (if not already done). During the donation, the platelets are separated from the remainder of the blood and periodically your red cells and plasma are returned back to you. The process takes an average of 60 minutes but never more than 100 minutes.

Donating platelets can lead to iron deficiency. This may be associated with tiredness, impaired concentration or poor work performance, in some people. Continued loss of iron can cause anaemia.

After the Donation

You will be asked to rest for a short while in our canteen and offered refreshments and a snack. Enjoy, you deserve it! You will be given a post donation advice card by staff explaining the dos and don'ts following donation. It is important to follow this advice and remember to contact the **IBTS** as soon as you can if you become unwell in the 4 weeks following your donation. It is also important to contact the **IBTS** as soon as you can if you remember something that could impact a patient in hospital who would receive your blood as outlined at the interview.

Testing your Donation

If a positive result for any of the blood tests is found, the donation will be discarded and not used for a patient. You will be contacted by the **IBTS** for further confirmatory testing.

The **IBTS** is legally bound to inform the Public Health Service if your tests confirm that you're positive for **HIV, hepatitis B, C, E or syphilis**. Your personal details, name address and the results of the blood tests will be sent to the Public Health Service.

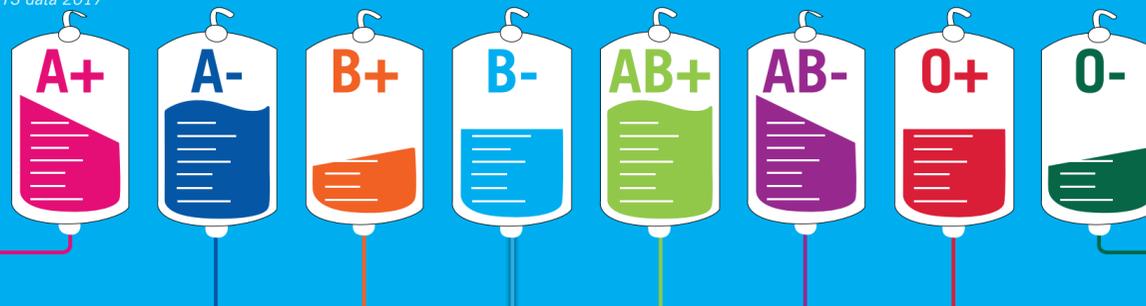
In a small number of donors the blood results can give a false positive reaction. You will be informed if this occurs and while there are no implications for your health we will not be able to use the donation for patients.

Your blood group is also tested. We freeze a small sample of your blood and retain it indefinitely in case it is necessary to carry out additional tests at a later date.

Possible Complications of Donation

For the majority of donors the process is a simple and trouble free experience, however in some cases problems may occur during or after the donation. If you have any problems after leaving the clinic please contact the **IBTS** on 01 4322800 (Dublin) or 021 4807400 (Cork) or contact your GP.

**All rates quoted are from IBTS data 2017*



Bruising

Sometimes bruising can occur either during or after the donation (1/279). If noted during the donation, it will be stopped and a staff member will give you an information leaflet with advice about how to best manage the bruising e.g. avoid heavy lifting or manual work where possible for at least 12 hours. If you notice bruising after a donation, report this to a staff member, or if at home apply a cold pack or ice in a bag with a layer of protection over the skin by using a cloth and again avoid heavy lifting or manual work as outlined above. You may experience discomfort associated with the bruising.

Nerve Injury / Nerve irritation / Pain

You must tell us immediately if you have any of the following when the needle is inserted, during the donation or after the needle is removed (1/813):

- pain
- discomfort
- altered sensation in your arm, hand or fingers

Very infrequently, insertion or removal of the needle may cause irritation (1/3,703) or injury of a nerve in your arm (1/8,333). Pain, discomfort or altered sensation in your arm, hand or fingers may indicate that a nerve has been injured.

These symptoms may also occur if a collection of blood under the skin (bruise) is pressing on a nerve. Tell us immediately if you have any of these symptoms and we will stop the donation and give you the appropriate advice.

Symptoms may occur after you have left the donor clinic. One in 141,429 continues to have pain for more than a year after donating.

Tendon Injury / Pain

On rare occasions, a needle may come into contact with a tendon and cause a sharp pain when the needle is inserted. Tell us immediately if you experience any pain or discomfort when the needle is inserted and we will stop the donation. No tendon injuries were recorded in the **IBTS** in 2017.

Bleeding from the Needle site

Sometimes blood will start to leak from the needle site after the donation is finished (1/352). If this happens, lift your arm above your shoulder and apply firm pressure until the bleeding stops, a staff member will apply another plaster as required. Leave the plaster on the site until the next day to prevent infection.

Arterial Puncture

Rarely (1/10,000), the needle may inadvertently be inserted into an artery. If this happens the needle will be removed immediately and you will be given immediate treatment and appropriate advice.

Fainting / feeling lightheaded

Some donors may feel faint (1/99) after donating and a small number faint (lose consciousness) (1/833). There are a number of things that you and our staff can do to minimise this risk so please follow their advice on clinic. If you were to faint on clinic our staff are trained to look after you and will not let you leave the clinic until you are fully recovered. They will also give you an information leaflet with advice prior to going home. If you were to experience a head injury as a result of a faint you would be referred to hospital from the clinic. If you feel faint after leaving the clinic, lie down straight away and drink plenty of non-alcoholic fluids.

Uncommon risks of donation

We collect around 130,000 donations of blood and 20,000 doses of platelets by apheresis every year. About once or twice a year a donor may need to be admitted to hospital as a result of a complication of giving blood or platelets. This could occur if for example a donor faints and bangs his / her head resulting in an injury. There is a very remote risk of Stroke or Death; however no one has ever died in Ireland due to blood or platelet donation.

In the unlikely event that you experience a fast / irregular pulse or tightness in the chest this may not necessarily be caused by the donation. If it does occur during or after donation let us know immediately.

Complications specific to Apheresis

Low lymphocyte counts

A recent study has shown that some regular platelet donors have low lymphocyte counts (lymphopaenia). This may be because these white cells are removed during the apheresis procedure. This has not been associated with any illness in donors.

Haemolysis and Air Embolus

Haemolysis occurs when red cells get broken down in the machine by excessive centrifugal speed, or if they are forced through a narrowing in the apheresis set. An air embolus is the inadvertent entry of air into your circulation. These complications are very rare events, due to the safety measures incorporated in the apheresis technology. They have never occurred in the **IBTS** with the Trima Accel machines that have been in use for the last 20 years.

Generalised Allergic Reaction

Very rarely a platelet donor may experience a generalised allergic reaction to the gas used to sterilise the apheresis set. One platelet donor had a severe acute allergic reaction while donating in the **IBTS** in the last 10 years.

Reaction to the Anticoagulant

An anticoagulant (citrate) is used to prevent the blood from clotting in the disposable set. Apheresis procedures cannot be carried out without it. Many donors experience a tingling sensation around the mouth, a metallic taste or a chilly sensation. These are usually very mild symptoms. You must inform our staff if you feel any of these symptoms. Our staff will be able to intervene in the procedure, usually without stopping it, by slightly slowing the flow of the anticoagulant and the symptoms usually improve. If they do not improve or you find them distressing, tell us and we will stop the procedure (1/294).

Citrate Toxicity

Rarely a donor may experience dizziness, light-headedness, muscle cramps, body vibrations, nausea or vomiting due to the anticoagulant that is used in platelet donations. Tell our staff **immediately if you experience any of these symptoms. In the interests of your health, the donation will be stopped.** On extremely rare occasions citrate may disturb the rhythm of the heart. It is important that these symptoms are detected early to prevent a cardiac complication (1 or 2 platelet donors are taken by ambulance to Accident and Emergency ever year).