

# UMBILICAL CORD SAVES LIVES

Umbilical cord blood  
can cure leukaemia  
and immunodeficiencies,  
and offers new possibilities  
for regenerative medicine.



Salut/



BANC DE SANG  
I TEIXITS

CONCORDIA

PROGRAMA INTERTERRITORIAL  
DE CORDÓN UMBILICAL

Andorra  
Aragón  
Cantabria  
Catalunya

Extremadura  
Illes Balears  
Navarra

# BLOOD THAT IS THE GIFT OF LIFE

The blood that flows in umbilical cord has unique characteristics. It contains stem cells, which are capable of generating blood cells to treat very severe malignant bone marrow diseases, such as leukaemia and other types of cancer. It is also used in regenerative medicine.

Other blood components, such as plasma and platelets, can be used in new medical applications, such as treating ulcers and inflammation in eyes.

The Cord Bank also promotes research through projects approved by clinical research ethics committees to improve our knowledge of this unique biological product.

**By donating umbilical cord blood,  
you are saving lives.**

## YOU CAN DONATE UMBILICAL CORD BLOOD IF...

- 1 You are of full legal age at the time of giving birth.
- 2 You live a healthy life style.
- 3 You do not suffer from an infectious disease that is potentially transmissible through the blood, such as the human immunodeficiency virus (HIV, the AIDS virus) or hepatitis (B or C). You will undergo a blood test to confirm this.
- 4 You do not have a family history of potentially transmissible diseases, such as abnormal haemoglobin, immune diseases or cancer.
- 5 You tell us which foreign countries you have visited.
- 6 You have never injected drugs (heroin, muscle-building hormones), even if it was only once and a long time ago.
- 7 You have never accepted money, drugs or any other type of payment in return for sexual relations.
- 8 You have not had sexual relations in the last four months with various different partners or with someone who is a carrier of the AIDS virus (HIV), frequently changes partners or might have intravenously injected drugs.
- 9 You fill in and sign the informed consent after clearing up all your doubts.

## HOW IS THE DONATION MADE?

The technique for collecting the blood is very simple. After the birth, the newborn is placed in skin-to-skin contact with the mother and we wait for over a minute before clamping the umbilical cord, as recommended by experts.

The healthcare staff, who have been given specific training, then collect the cord blood as long as this does not represent a risk to the mother or child.

## WHAT HAPPENS TO THE CORD AND THE BLOOD IT CONTAINS?

The umbilical cord blood banks are responsible for processing, storing and analysing the blood so it can be used with full guarantees of safety.

The units of cord blood that contain the most cells and greatest volume are made available to patients from anywhere in the world. Registers enable blood banks to get in touch with people who require transplants.

Donation products are also used for blood-related therapeutic applications or regenerative medicine therapies. The blood can also be used to generate induced pluripotent stem cells, known as iPSCs. As iPSCs can be converted into other types of cell, they can be useful for transplantation or treating diseases caused by loss of cellular function.

Donated cord blood and the cord will be made available to any patient that requires them, with no discrimination on the basis of geographic origin, religion or financial situation, in accordance with the physician's indications.

Donations are selfless and anonymous.

In other cases, blood and cord tissue can be stored in a biobank for use in research projects to improve, prevent, diagnose and treat different diseases.

## WHERE CAN DONATIONS BE MADE?

You can donate at maternity hospitals with facilities for collecting cord blood.

The list of maternity hospitals is available on the **bancsang.net** website.

If you have any doubts, please contact the Cord Bank by email at **atencioaldonant@bst.cat** or by phone on **93 557 35 00**.

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Navarra

Cord label

**WRITE IN CAPITALS**

Date

First name

Surname(s)

Date of birth

DNI/NIE

Address

Postcode

Town/city

Province

Telephone no.

Mobile no.

Email address

**I HEREBY STATE THAT:**

- I understand that the umbilical cord blood I donate is the blood left in the vessels of the umbilical cord and placenta after the birth of my child.
- I understand that it is obtained after the birth and the umbilical cord has been cut in the delivery room, using a specific bag, and that there is no risk to the mother or baby.
- I understand that the umbilical cord blood may be used for the purposes of transplantation or regenerative medicine therapy or that its components, such as plasma, red blood cells or platelets, can be used for approved therapies to treat any patients who need them.
- I understand that my consent does not require the maternity hospital to collect or store the blood if circumstances are not considered suitable.
- I understand that the donation can be rejected if the right conditions are not met.
- I understand that the identification information about me and my child will be processed confidentially and encrypted, in accordance with current legislation on the protection of personal data. I have been informed that my personal details and those of my child will be added to a file owned by the Banc de Sang i Teixits (Blood and Tissue Bank), which administers the Concordia Programme, and will be used to manage the donation process under the terms stipulated by applicable legislation. Furthermore, my data will be transferred in encrypted form to the Spanish Bone Marrow Donors Registry for their clinical use. I have also been informed that I may exercise the rights of access, rectification, cancellation, objection, erasure, restriction of processing and data portability by writing to the Banc de Sang i Teixits. Passeig del Taulat, 116. 08005 Barcelona.

- I consent to the storage of both the umbilical cord blood and cord tissue in the biobank recognised by the Banc de Sang i Teixits or the biobank authorised by the donation programme of my autonomous community, maintaining the anonymity of the donation, so that they may be used in biomedical research approved by clinical research ethics committees whose aim is to advance knowledge of prevention, diagnosis, prognosis and/or treatment of diseases and improve the quality of medical services.
- I understand that the donation is voluntary, selfless and involves no financial remuneration, even if the research authorised with the product produces a profit.
- I authorise the transfer of my details and those of my child to the Banc de Sang i Teixits by the organisation responsible for the donation programme in my autonomous community, so they can be used to manage the donation process under the terms stipulated in applicable legislation.
- Optionally, I consent to being contacted by the Cord Bank or organisation responsible for the donation programme in my autonomous community to ask about the health of my child and myself.
- I understand that if my child develops a potentially transmissible disease I will inform the Cord Bank of the Banc de Sang i Teixits, by phoning **93 557 35 00**.
- I consent, on the date of delivery, to have a blood sample taken from me in order to perform the required analyses (such as genetic tests, HLA study, blood group and infection markers) and to have samples stored for any new analyses, where the donation is ultimately suitable. And to be notified of any pathological results detected in the analysis by the physician in charge.
- I reserve the right to withdraw this consent at any time, as long as it is before clinical use or transfer to the biobank, without this having consequences of any kind.

**I have read and understood all the information** I have been given; I consider its content satisfactory; I have been able to ask all my questions and all my doubts have been clarified.

**I therefore give my consent so that:**

- The umbilical cord blood and cord may be used in any patients who need them for transplantation or regenerative medicine procedures, and that the components, such as plasma, red blood cells and platelets, can be used for approved therapies.
- The umbilical cord blood and cord tissue obtained can be stored in the biobank.

Choose one of the two options:

**YES I consent**       **NO I do not consent**

voluntarily to the umbilical cord blood and cord tissue being used in any patients who need them for transplantation or regenerative medicine procedures, or their components, such as plasma, red blood cells and platelets, being used for approved therapies or the umbilical cord blood and cord tissue obtained being stored in the biobank.

This text is approved by the Ethics Committee for Research with Medicinal Products and the Research Projects Committee of the Hospital Vall d'Hebron, in session no. 333 of 6/04/2018, with a decision in favour of the document: Information and consent with regard to cord blood donation V526\_03\_2018.

**Name and signature  
of the informing staff member**

**Name and signature  
of the donor**

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# COPY FOR THE MATERNITY HOSPITAL

## I HEREBY STATE THAT:

- I understand that the umbilical cord blood I donate is the blood left in the vessels of the umbilical cord and placenta after the birth of my child.
- I understand that it is obtained after the birth and the umbilical cord has been cut in the delivery room, using a specific bag, and that there is no risk to the mother or baby.
- I understand that the umbilical cord blood may be used for the purposes of transplantation or regenerative medicine therapy or that its components, such as plasma, red blood cells or platelets, can be used for approved therapies to treat any patients who need them.
- I understand that my consent does not require the maternity hospital to collect or store the blood if circumstances are not considered suitable.
- I understand that the donation can be rejected if the right conditions are not met.
- I understand that the identification information about me and my child will be processed confidentially and encrypted, in accordance with current legislation on the protection of personal data. I have been informed that my personal details and those of my child will be added to a file owned by the Banc de Sang i Teixits (Blood and Tissue Bank), which administers the Concordia Programme, and will be used to manage the donation process under the terms stipulated by applicable legislation. Furthermore, my data will be transferred in encrypted form to the Spanish Bone Marrow Donors Registry for their clinical use. I have also been informed that I may exercise the rights of access, rectification, cancellation, objection, erasure, restriction of processing and data portability by writing to the Banc de Sang i Teixits. Passeig del Taulat, 116. 08005 Barcelona.
- I consent to the storage of both the umbilical cord blood and cord tissue in the biobank recognised by the Banc de Sang i Teixits or the biobank authorised by the donation programme of my autonomous community, maintaining the anonymity of the donation, so that they may be used in biomedical research approved by clinical research ethics committees whose aim is to advance knowledge of prevention, diagnosis, prognosis and/or treatment of diseases and improve the quality of medical services.
- I understand that the donation is voluntary, selfless and involves no financial remuneration, even if the research authorised with the product produces a profit.
- I authorise the transfer of my details and those of my child to the Banc de Sang i Teixits by the organisation responsible for the donation programme in my autonomous community, so they can be used to manage the donation process under the terms stipulated in applicable legislation.
- Optionally, I consent to being contacted by the Cord Bank or organisation responsible for the donation programme in my autonomous community to ask about the health of my child and myself.
- I understand that if my child develops a potentially transmissible disease I will inform the Cord Bank of the Banc de Sang i Teixits, by phoning **93 557 35 00**.
- I consent, on the date of delivery, to have a blood sample taken from me in order to perform the required analyses (such as genetic tests, HLA study, blood group and infection markers) and to have samples stored for any new analyses, where the donation is ultimately suitable. And to be notified of any pathological results detected in the analysis by the physician in charge.
- I reserve the right to withdraw this consent at any time, as long as it is before clinical use or transfer to the biobank, without this having consequences of any kind.

**I have read and understood all the information** I have been given; I consider its content satisfactory; I have been able to ask all my questions and all my doubts have been clarified.

## I therefore give my consent so that:

- The umbilical cord blood and cord may be used in any patients who need them for transplantation or regenerative medicine procedures, and that the components, such as plasma, red blood cells and platelets, can be used for approved therapies.
- The umbilical cord blood and cord tissue obtained can be stored in the biobank.

Choose one of the two options:  **YES I consent**  **NO I do not consent**

voluntarily to the umbilical cord blood and cord tissue being used in any patients who need them for transplantation or regenerative medicine procedures, or their components, such as plasma, red blood cells and platelets, being used for approved therapies or the umbilical cord blood and cord tissue obtained being stored in the biobank.

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**Name and signature  
of the informing staff member**

**Name and signature  
of the donor**

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## COPY FOR THE DONOR

### I HEREBY STATE THAT:

- I understand that the umbilical cord blood I donate is the blood left in the vessels of the umbilical cord and placenta after the birth of my child.
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- Optionally, I consent to being contacted by the Cord Bank or organisation responsible for the donation programme in my autonomous community to ask about the health of my child and myself.
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- The umbilical cord blood and cord tissue obtained can be stored in the biobank.

Choose one of the two options:  **YES I consent**  **NO I do not consent**

voluntarily to the umbilical cord blood and cord tissue being used in any patients who need them for transplantation or regenerative medicine procedures, or their components, such as plasma, red blood cells and platelets, being used for approved therapies or the umbilical cord blood and cord tissue obtained being stored in the biobank.

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**Name and signature  
of the informing staff member**

**Name and signature  
of the donor**

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