

T-Cell Collection

Produced: Apr 2026
Review: Apr 2029
Leaflet number: 2037
Version: 1

Department of Haematology
Information for Patients

Important dates

Outpatient appointment for counselling

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Date to attend T-cell collection

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Line needed Yes/No

Date of line insertion

.....

Introduction

Your medical team believes that CAR -T cell treatment is the right option for you. This booklet explains how your T - cells are collected so they can later be changed into CAR -T cells and given back to you as treatment.

How are the CAR-T cells collected?

T - cell collection is done using a **cell-separating machine**. Here's how it works:

- Blood is taken from one of your veins
- The machine spins the blood to separate the different parts
- It collects the T-cells into a special bag
- The rest of your blood is returned to you through another vein

To do this safely, the machine needs good access to **two veins**, or you may need a **tunnelled line**. The nursing team will check your veins beforehand.

What to expect on the day

- The T - cell collection takes **6–8 hours** and is done in **one day**.
- You should not feel unwell during or after the procedure.
- You **must not drive or travel home alone** afterwards. Please arrange for a responsible adult to take you home by car or taxi.
- You can **eat and drink normally** before coming to the unit.
- Do **not** take any **blood - thinning medication** for 24 hours before your collection (your team will tell you if this applies to you).

Your day at the Osborne Treatment Centre (OTC)

Please arrive at the OTC by **8:30am**. Visitors cannot stay with you during the procedure, but the team will look after you throughout the day.

When you arrive, your blood will be taken. Once the results are back, you will be connected to the cell - separating machine.

A nurse will stay with you at all times while you are attached to the machine.

There may be up to **two other patients** in the room with you. You can **eat and drink throughout the day**. We can provide food and drinks, or you can bring your own from home.

When the T - cell collection is finished, you will be disconnected from the machine. If you had a line inserted for the procedure, it will be removed before you go home.



What happens after your T - cell collection

After your T - cells are collected, they are sent to a specialist laboratory where they are turned into your CAR - T cells. This process usually takes **a few weeks**.

Once your CAR - T cells are ready, the lab freezes them and sends them back to the hospital for your treatment.

While you are waiting for your CAR - T cells, you may need treatment to help keep your blood cancer under control. This is called **“bridging therapy.”**

You will be given another appointment to plan the date and details of your CAR - T cell infusion.

For more information please visit the following:

Macmillan Cancer Support

Www.macmillan.org.uk

Anthony Nolan

www.anthonynolan.org

Please ask your nurse or consultant if you need other information.

If you are unwell and need urgent medical advice, please call:

Telephone: 07483134374

24 hours, 7 days a week

For non-urgent issues between call the Cellular Therapy Centre:

Telephone: 0116 258 5124

9am and 5pm Monday to Friday,

Cellular Therapy Unit:

Telephone: 0116 258 5698

24 hours, 7 days a week

Health information and support is available at www.nhs.uk or call 111 for non-emergency medical advice

Visit www.uhleicester.nhs.uk for maps and information about visiting Leicester's Hospitals.

To give feedback about this information sheet, contact uhl-tr.informationforpatientsmailbox@nhs.net

اگر آپ کو یہ معلومات کسی اور زبان میں درکار ہیں، تو براہ کرم مندرجہ ذیل نمبر پر ٹیلی فون کریں۔

ਜੇ ਤੁਸੀਂ ਇਹ ਜਾਣਕਾਰੀ ਕਿਸੇ ਹੋਰ ਭਾਸ਼ਾ ਵਿੱਚ ਚਾਹੁੰਦੇ ਹੋ, ਤਾਂ ਕਿਰਪਾ ਕਰਕੇ ਹੇਠਾਂ ਦਿੱਤੇ ਗਏ ਨੰਬਰ 'ਤੇ ਟੈਲੀਫੋਨ ਕਰੋ।

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Aby uzyskać informacje w innym języku, proszę zadzwonić pod podany niżej numer telefonu

જો તમને અન્ય ભાષામાં આ માહિતી જોઈતી હોય, તો નીચે આપેલ નંબર પર કૃપા કરી ટેલિફોન કરો.

If you would like this information in another language or format such as EasyRead

or Braille, please telephone 0116 250 2959 or email uhl-tr.equalitymailbox@nhs.net

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