

Information for patients and carers

Creatinine Clearance



Introduction

This leaflet explains the procedure for collecting samples for a creatinine clearance test.

What is a creatinine clearance test?

A creatinine clearance test measures the amount of creatinine in the blood and the urine. The amount of blood filtered by the kidneys in a measured period of time can then be calculated.

Why does this test need to be carried out?

A creatinine clearance test is used to assess the function of your kidneys. The test may be requested if you suffer from kidney disease or other conditions such as congestive heart failure or diabetes. It may also be requested to assess kidney function prior to the administration of some drugs.

What do I need to do for this test?

A 24-hour urine sample and a blood sample taken during the period of the urine collection are both required.

You will be given a bottle for urine collection and a laboratory request form. On the morning that you complete the urine collection it is essential that you have a blood sample taken. This will be done either at the blood test clinic or at a community clinic/GP surgery as instructed by your doctor.

How do I collect 24-hour urine?

When you wake up on the day of collection (for example at 7 a.m.) pass all urine down the toilet. Do not collect this urine.

Collect all the urine that you pass during the next 24 hours into the container. The following morning (for example at 7 a.m.) empty the bladder completely. This urine is also collected into the container.

Cap the container tightly. It is essential that the container is fully labelled. This should include your name, date of birth, and the date and times of the start and end of urine collection.

It is important that all the urine passed during the 24 hours is collected. If you do not collect all the urine the results will not be valid.

Store the bottle in a cool place during the collection.

When do I have my blood taken?

Return the urine collection to the blood test clinic/community clinic/GP surgery with the request form as instructed by your doctor.

Please return the urine sample on the morning that you complete the collection. **A blood sample must be taken at the same time.** This is essential and if forgotten the whole 24-hour urine collection needs to be repeated. The request card, the urine sample and the blood sample will be sent to the laboratory for analysis.

How will I get the result?

The result will be sent to the doctor who asked for you to be tested.

Contact details

Should you require further advice or information about the process of collecting a 24-hour urine please contact the Clinical Biochemistry department on **01772 522607** between 9am and 5pm. If you have further questions about the creatinine clearance test, please speak to the doctor who referred you for this test

Sources of further information

www.lancsteachinghospitals.nhs.uk

www.nhs.uk

www.accessable.co.uk

www.patient.co.uk

www.lancsteachinghospitals.nhs.uk/veteran-aware

<https://bepartofresearch.nihr.ac.uk/>
www.labtestsonline.org.uk

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If you want to stop smoking, you can also contact Smokefree Lancashire on Freephone **08081962638**.

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This information can be made available in large print, audio, Braille and in other languages.

Our patient information group review our leaflets regularly, if you feel you would like to feedback on this information or join our reading group please contact on email address:

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