

Creatinine Clearance Test

12 or 24 Hours



What is the Creatinine Clearance Test?

The Creatinine Clearance Test is a test that measures how much of a chemical called creatinine is in the urine and how much is in the blood. By looking at both levels, the medical team can measure how well your child's kidneys are working.

How is the test done?

This test requires one sample of blood collected from the patient, and either a 12-hour or a 24-hour urine test. Your child's medical team will tell you which test your child needs.

How do I prepare my child for the test?

Please make sure that you can store your child's urine on the same day you have collected the sample. Please follow the steps below:

12- Hour Test

For this test, you will need to collect all the urine your child passes during a 12-hour period.

Please collect during the hours that your child is awake.

1. To begin the test (this is called "hour 0"), have your child urinate (pee) until their bladder is empty. **Do NOT collect this urine.**
2. During the next 12 hours, collect ALL urine every time your child urinates. Write down each time your child starts and stops urinating. For example, if your child urinates at 8:15am, you can start then. That would be starting "hour 0." Remember that you DO NOT collect the urine. You start to collect the urine next time they go and every time after that until hour 12.
3. Twelve hours after the first urine, (this is called "hour 12"), collect one last sample of urine by having your child go until their bladder is empty. For example, if your child went pee at 8:15am, then your last sample is between 8:15pm-9:15pm. Save this urine in the collection cup. This will be the last collection. You do not have to save any urine after this. Write down the date and time of the last urine collected.

24 Hour Test

For this test, you will need to collect all the urine your child passes during 24 hours.

1. To begin the test (this is called Hour 0), have your child urinate until their bladder is empty. **Do NOT collect this urine.**
2. During the next 24 hours, collect ALL urine every time your child goes. Write down each time your child starts and stops urinating. Your child may pee at 8:15am and you may decide to start then. That would be starting "hour 0." Remember that you DO NOT collect the urine. You start to collect the urine next time they pee and every time after that until hour 24."

3. Twenty-four hours after the first pee, (this is called Hour 24), collect one last sample of urine by having your child go until their bladder is empty. Save this urine in the collection cup. This will be the last collection. You do not have to save any urine after this. Write down the date and time of the last urine collected.

All urine samples should be stored in the cups provided. These cups should be kept chilled in a refrigerator or on ice until you return them to the Anderson Lab at CHLA. Please stop by the clinic, the Infusion Center, or the Anderson Lab to get the supplies you will need for this test. Be sure to label all containers with the patient's name, date of birth (DOB), height, weight, and with the start and stop times of the urine collection.

If you have any questions, please contact the Children's Center for Cancer and Blood Disease Monday-Friday from 8am-5pm at: 323-361-4624