test will be organised at a later date.

- If your child needs to pass a bowel motion please ask them to first pass urine into the jug as urine mixed with stool cannot be collected and the test will need to stop.

- Ensure medication is stored in a safe place and give as directed.

G.P.
or
Tel: 01 409 6291
e-mail: liver.nurses@olchc.ie

or
Local Emergency Department

Additional instructions

Developed by
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What is a Penicillamine challenge?

This is a test to measure the amount of copper in your child’s urine. Urine is collected over a 48 hour period (divided into two 24 hour periods)

It is best to do this over a weekend so the child has access to collection containers and does not have to miss school.

How to carry out the 48 hour urine collection

On Saturday morning

- Pass urine as normal in the toilet. This is the start of collection 1. Record this time on the container.
- Continue to collect all urine for the next 24 hours into the jug and empty into container 1.
- After collecting the urine for 24 hours, record end time on the container. (E.g. if you start collection at 9am on Saturday morning the finishing time will be 9am Sunday morning if started at 9am Saturday morning)
- Store in cool place i.e. outside shed, garage, and out the reach of children (as the container contains an acid solution)

Sunday Morning

- Immediately after last urine is passed and collected in container 1 give your child the 1st dose of Penicillamine.
  - This is the starting time of collection 2. Record this time on container No 2.
  - Collect all urine passed for the next 24 hours into jug and empty into container marked 2.
  - 12 hours after collection No 2 starts give your child the 2nd dose of Penicillamine. (i.e. 12 hours after the 1st dose)
- Continue to collect urine for the remaining 12 hours and empty into container 2
- Record the finishing time on container 2. This completes the test.
- Store in cool place until Monday bring the containers and form to the Laboratory in OLCHC or local hospital as arranged by the Liver Nurse Specialist.
- If any urine is missed or discarded the test result will be inaccurate. Please inform the Liver Nurse Specialist and the