

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  
email: [liver.nurses@olchc.ie](mailto:liver.nurses@olchc.ie)

or  
**Local Emergency Department**

**Additional instructions**

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Developed by

Our Lady's Children's Hospital, Crumlin,  
Dublin 12

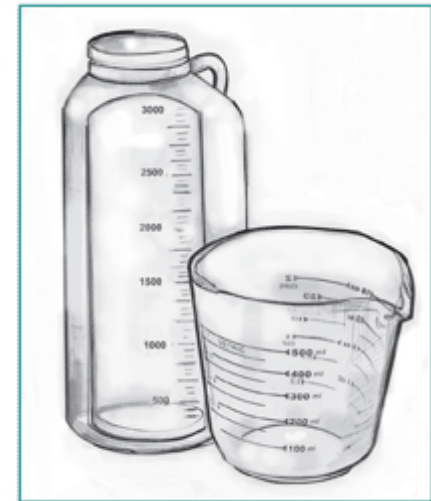
Date issued: January 2014

Review date: January 2017

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**Our Lady's Children's Hospital, Crumlin, Dublin 12**  
*....where children's health comes first*

**48 hour urine collection  
as an outpatient**



**Ward / Department:** \_\_\_\_\_

**Ward phone (01) 409** \_\_\_\_\_

**Tel: (01) 4096100 (main switch)**

## 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 1<sup>st</sup> 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 2<sup>nd</sup> dose of Penicillamine. (i.e. 12 hours after the 1<sup>st</sup> 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