

COLLECTION INSTRUCTIONS FOR URINARY KRYPTOPYRROLE TESTING

There are no special requirements or patient preparation for this test. A **second** morning void should be collected, **NOT** the first morning specimen. However the third and subsequent voids are ok. As all samples are adjusted for the level of hydration of the patient it is not necessary for the patient to alter their fluid intake prior to sample collection. NOTE: Patients are not advised to intake large volumes of water to induce urination or fast prior to collection, as over or under hydration may invalidate results.

Samples should be collected at a designated collection centre, **NOT AT HOME**. It must be guaranteed that the collection protocol is consistent. If this is not practical, please follow the notes for pathology collection below.

If the test is for initial diagnosis of pyroluria, the patient should abstain from taking vitamin B6 and Zinc or mineral supplements for **3** days prior to collection. If the test is to monitor efficacy of treatment, then the patient should continue with supplementation as diagnosed by their practitioner.

IT IS IMPORTANT THAT THE PATIENT DOES NOT ALTER THEIR MEDICATIONS OR SUPPLEMENTS UNLESS UNDER THE INSTRUCTIONS OF THEIR DOCTOR.

THERE IS NO NEED TO URINATE IN THE DARK; NORMAL INDOOR 'INDIRECT' LIGHTS DO NOT AFFECT THE SPECIMEN.

Collection Requirements: You should be provided with 2 sample jars. One will be empty, and the other will contain a white preservative powder.

1. Collect urine in the empty, [**no powder**] jar (as much as possible-minimum 40ml)
2. Transfer **half** the urine (**Minimum** 20ml) into jar with the powder, **do NOT transfer back into the original jar**
3. Any urine less than 10ml will be rejected. Place the lids on both jars tightly. Please **DO NOT** Shake the urine.
4. Both samples are to be immediately wrapped in aluminium foil to protect them from light, and Frozen (this should be done by the collection agent)
5. When samples are transported, they must remain frozen on dry ice.

As kryptopyrrole is light and temperature sensitive it is important that the samples are handled and transported correctly to Safe Analytical Laboratories (SAL). If at any stage of the storage or transportation process, the sample thaws, the patient and laboratory need to be informed. Data measured in the laboratory show that thawing and refreezing samples can reduce kryptopyrrole results by up to 20%. As such recollection should be performed.