



醫院管理局
HOSPITAL
AUTHORITY

From: Prof Allen KC CHAN
Honorary Chief of Service
Dept of Chemical Pathology
PWH

To: All COSs, DOMs & Medical staff, NTEC

Cc: Dr Beatrice CHENG,
HCE(PWH)/CCE(NTEC)
Dr David SUN, HCE(NDH)
Dr NC SIN, HCE(AHNSH/TPH)
Dr WY SO, HCE(BBH/SCH/SH)
Dr Michael CHAN, CCPATH(NTEC)
All Duty Biochemists, PWH(CP)
Ms KM CHAN, DM Path(AHNSH/NDH)
Ms Karen LAW, DM, PWH(CP)

Tel / Fax No: 3505 3589 / 2648 4262

Date: 6 October 2021

**Enhanced Cyanide Screening Test Service
Implementation Date: 11 October 2021**

With an aim to improve laboratory efficiency and service provision, a new qualitative urine cyanide screening test will be introduced in PWH Chemical Pathology to replace the existing whole blood cyanide screening test with effect from 11 October 2021. This urine cyanide screening test is recommended by the Hospital Authority Toxicology Services (HATS) for investigation of suspected cyanide poisoning.

The “**Urine Cyanide Screening Test**” can be requested via Generic Clinical Request System (GCRS) with prior arrangement with PWH Duty Biochemist. Please collect the “**Cyanide Specimen Collection Kit**”, which contains specimen bottles/tubes and instructions of specimen collection, from Rapid Response Laboratory, 3/F, Main Clinical Block.

The following specimens should be sent immediately to the laboratory:

1. **Two bottles of 10 mL urine in plain bottle**, one for the Urine Cyanide Screening Test and the other for the Urine Drug Screen.
2. **Two SPECIAL fluoride-oxalate tubes**, each filled up with 1.8 mL blood to the blue line marking, in ICE-water bath.
3. **One EDTA tube** filled with 3 mL blood in ICE-water bath.
4. **Non-biological specimens** if available. (Ensure no leakage)
5. A completed **TRL request form**.

Samples with positive or uncertain urine cyanide screening test results will be sent to Toxicology Reference Laboratory (TRL) for confirmatory quantitative cyanide and metabolites analysis. Details can be found in the Appendix and Test Menu posted at the PWH Chemical Pathology i-Hospital homepage (iCHEMPATH@PWH).

For enquiries, please contact our Duty Biochemist via the PWH Operator at 3505 2211.

Thank you for your kind attention.

Sincerely yours,

Prof Allen KC CHAN

Prince of Wales Hospital
Hospital Authority
30-32 Ngan Shing Street,
Shatin, N.T.
Tel: (852) 3505 2211
Fax: (852) 2637 8244


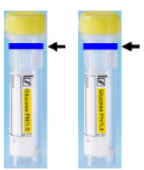


威爾斯親王醫院
醫院管理局
新界沙田銀城街30-32號
電話：(852) 3505 2211
傳真：(852) 2637 8244



Appendix:

Instructions for Cyanide Specimen Collection Kit

Please read the instructions and send ALL of the following specimens and form immediately to Rapid Response Laboratory, 3/F, Main Clinical Block and Trauma Centre, Prince of Wales Hospital (PWH).

Quantity and Content	Instructions and **Remarks**
<p>2 x Plain urine bottles</p>  <p>(A) (B)</p>	<p>For <u>screening tests performed in PWH</u>.</p> <p>(A) Urine Cyanide Screening Test</p> <p>(B) Urine Drug Screen</p> <p>Tests requested via Generic Clinical Request System (GCRS).</p> <p>Minimum urine volume for each urine bottle: 10 mL</p>
<p>2 x Yellow screw cap SPECIAL fluoride-oxalate tubes</p>  <p>[Note: These pre-treated fluoride tubes are dedicated for cyanide analysis. Please do NOT use it for glucose test.]</p>	<p>For <u>confirmatory tests performed in Toxicology Reference Laboratory (TRL)</u> for cases with positive or uncertain urine cyanide screening test results.</p> <p>Tests requested via handwritten TRL request form.</p> <p>Mix the blood specimens by gently inverting them for 10-15 times. **Samples with minor clot can affect cyanide result.**</p> <p>Minimum blood volume for each SPECIAL tube: 1.8 mL (Fill up to the blue line mark as shown)</p> <p>Minimum blood volume for EDTA tube: 3 mL</p>
<p>1 x Purple-top EDTA tube</p> 	<p>Label clearly on All specimen containers:</p> <ul style="list-style-type: none"> ➤ Patient's name ➤ Patient's HKID ➤ Collection time and date <p>Send ALL blood specimens in ICE-water bath to laboratory immediately.</p>
<p>1 x TRL request form</p> 	<p>Fill in TRL request form for send out to Toxicology Reference Laboratory.</p> <p>Optional: Please send non-biological specimens (such as liquid/product, container, packaging and/or insert) whenever available and fill in TRL request form for send out.</p> <p>**Take extra safety precautions due to the potentially highly toxic nature and ensure no leakage.**</p>

For enquiry, please contact PWH Urgent Laboratory at 3505 3353.