



醫院管理局
HOSPITAL
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To: All COSs, DOMs & Medical staff, NTEC

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Date: 25th September 2023

**Change of Specimen Type for High-sensitivity Cardiac Troponin T (hsTnT)
Implementation Date: 11 October 2023**

Roche Diagnostics, manufacturer of hsTnT assay issued an Urgent Field Safety Notice in January 2023. The notice stated that elevated hsTnT results were observed in EDTA samples when compared to other sample types (serum and heparin plasma). The root cause investigation is still ongoing to identify the exact mechanism of interference.

This issue was discussed extensively in the Specialty Group in Chemical Pathology of COC(Pathology). Specialty Group in Chemical Pathology had finally made a decision that laboratories using Roche Diagnostics hsTnT assay should follow the recommendation from the manufacturer to change the specimen type from EDTA to heparin plasma.

In this connection, the specimen type used for hsTnT analysis shall be changed from EDTA plasma to heparin plasma effective from 6:00 p.m. on 11 October 2023. The new specimen tube for adult patients (**VACUETTE 4 mL Lithium Heparin, no gel, green cap-black ring**, Reference no. 454084) are now available at PWH Medical Consumables Store. Please refer to the Appendix for details of the change of specimen label and tube.

If there is any enquiry, please contact our Duty Biochemist at 3505 2685, or page through PWH Operator at 3505 2211.

Sincerely yours,

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HA1110/PW



Appendix

Generic Clinical Request System (GCRS) Specimen Label



NEW specimen label



OLD specimen label

NEW Specimen Requirement for High-sensitivity Cardiac Troponin T (hsTnT)

Adult patient:



Heparin (no gel) tube (green cap-black ring)

Minimum blood volume: 4 mL



VACUETTE® 4 ml Lithium Heparin green cap-black ring, PREMIUM
(Reference no. 454084)

This tube is for hsTnT test ONLY

Paediatric patient:

Paediatric heparin tube

Number of vials: 2

Minimum blood volume: 2.6 mL



Micro sample tube Lithium heparin, 1.3 ml, orange screw cap

ATTENTION: The following specimen tubes are NOT acceptable for hsTnT test



VACUETTE® 3 ml K3E K3EDTA lavender cap-black ring, PREMIUM
(Reference no. 454086)



MiniCollect® Complete 1 ml K3E K3EDTA lavender cap,
pre-assembled with Carrier Tube (Reference no. 450546)



VACUETTE® 5 ml Lithium Heparin Separator green cap-yellow ring,
transparent label, PREMIUM (Reference no. 476083)

**This tube is for general biochemistry tests
(e.g. RFT, LFT, Bone Profile, CK, LDH...etc.)**