



醫院管理局
HOSPITAL
AUTHORITY

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To: All COSs, DOMs & Medical staff,
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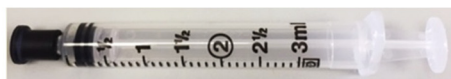
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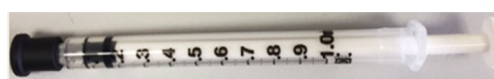
Date: 17 July 2017

Use of Dry Heparin Syringes for Blood Gases, Carboxyhaemoglobin, Methaemoglobin and Ionized Calcium Analyses

Dry Heparin Syringes are ready-to-use with spray-dried, balanced lithium heparin. They are suitable for blood collection for blood gases, carboxyhaemoglobin, methaemoglobin and ionized calcium analyses, without prior need to pre-rinse with heparin solution. The currently available brand and models in the NTEC Medical Consumable Store are the BD A-Line Dry Heparin Syringes 3 mL (HA code 1243980) & 1 mL (HA code 1126674).



3 mL BD A-Line Dry Heparin Syringe



1 mL BD A-Line Dry Heparin Syringe

Appropriate volume of blood has to be collected using the Dry Heparin Syringes of different sizes and heparin contents so as to avoid over- or inadequate anticoagulation that will invalidate the analytical results. The 3 mL syringe and the 1 mL syringe contains 80 IU and 30 IU balanced lithium heparin, respectively. **The recommended minimum blood volume drawn for 3 mL syringe is 1.6 mL; whereas that for 1 mL syringe is 0.6 mL, such that the final heparin concentration in sample will be 50 IU/mL.** Patient samples with insufficient blood volume for analyses will be rejected. Recommended volume of blood should be collected anaerobically. After needle disposal, tap syringe to move air bubbles to the top and slowly advance plunger to expel air from sample, and then re-cap the syringe with a cap. To ensure thorough adequate mixing of blood with heparin, hold syringe in hand and rotate back and forth for 20 to 30 seconds. Finally, send the blood sample in ice bath to the laboratory immediately for analysis.

Test information and details can be found in the Test Menu posted at iCHEMPATH@PWH. If there is enquiry, please contact our Duty Biochemist at 3505 2685, or page through PWH Operator at 3505 2211.

Thank you for your kind attention.

Sincerely yours,

Prof YM Dennis LO

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