



醫院管理局  
HOSPITAL  
AUTHORITY

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To: All COSs, DOMs & Medical staff,  
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Date: 23 July 2019

**Hospital Authority Centralized Dried Blood Spot Metabolic Screening Service  
by Hong Kong Children's Hospital**

Hong Kong Children's Hospital (HKCH) provides the Dried Blood Spot Metabolic Screening (DBSM) service for paediatric patients in all Hospital Authority hospitals. DBSM is only indicated for high-risk symptomatic patients suspecting of metabolic disorders in amino acids, fatty acid oxidation and organic acids metabolism.

Please note the following new arrangements with effect from 23/07/2019.

**1. Test requesting procedure:**

Only Generic Clinical Request System (GCRS) requests will be accepted by HKCH. Select the new GCRS test item "Dried blood spot metabolic tests" under the Biochemistry Discipline or search for "DBSM" by keyword. (See Appendix.)

**2. Specimen requirement:**

Blood sample should be collected on a dried blood spot collection card. After blood collection, the dried blood spot card should be placed horizontally and allowed to air-dry for at least three hours. Then the dried blood spot card should be properly labeled and be put into a specimen bag. Please refer to the "Instruction for Collection of Dried Blood Spots" written by HKCH for details. It is available in 'Information for Clinical Users' of iChemPath@PWH.

**3. Specimen send-out and transportation:**

The dried blood spot card should be sent to Specimen Reception, 3/F, Rapid Response Laboratory, Main Clinical Block, PWH before 17:00 from Monday to Friday. PWH Chemical Pathology Laboratory will arrange specimen transportation to HKCH Chemical Pathology Laboratory.

If there is any enquiry on the above new service, please contact our Duty Biochemists at 3505 2685 / 3505 2331, or page through PWH operator at 3505 2211.

Thank you for your kind attention.

Sincerely yours,

Prof Rossa WK CHIU

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**Appendix:**

Figure 1. Select the new GCRS test item “Dried blood spot metabolic tests” under the Biochemistry Discipline.

The screenshot shows a software interface with a sidebar on the left and a main content area. The sidebar lists various disciplines and departments, with 'C Biochemistry' selected. The main content area displays a grid of test items, each with a checkbox. The item 'Dried blood spot metabolic tests' is highlighted with a red rectangular box. At the bottom of the interface, there is a 'Pay Code' field containing 'EP1' and several navigation buttons.

Discipline	Department	Personal	History	Discipline	ix	Search
C Biochemistry					DBSM	

  

<input type="checkbox"/> Creatinine, spot fluid	<input type="checkbox"/> Estradiol, serum	<input type="checkbox"/> Glucago
<input type="checkbox"/> Creatinine, spot urine	<input type="checkbox"/> Ethanol, serum	<input type="checkbox"/> Glucose
<input type="checkbox"/> Cryoglobulin, serum	<input type="checkbox"/> Everolimus, blood	<input type="checkbox"/> Glucose
<input type="checkbox"/> Cyanide, blood	<input type="checkbox"/> Female androgens, serum	<input type="checkbox"/> Glucose
<input type="checkbox"/> Cyclosporin A (2 hr post dose), blood	<input type="checkbox"/> Ferritin, serum	<input type="checkbox"/> Glucose
<input type="checkbox"/> Cyclosporin A (trough), blood	<input type="checkbox"/> Folate, serum	<input type="checkbox"/> Glucose
<input type="checkbox"/> DFT for Left Parathyroidectomy	<input type="checkbox"/> Follicle Stimulating Hormone, serum	<input type="checkbox"/> Glucose
<input type="checkbox"/> DFT for Right Parathyroidectomy	<input type="checkbox"/> Free Carnitine, serum	<input type="checkbox"/> Growth f
<input type="checkbox"/> Delta Bilirubin, plasma	<input type="checkbox"/> Free Light Chains, serum	<input type="checkbox"/> Growth f
<input type="checkbox"/> Digoxin, serum	<input type="checkbox"/> Free T3, serum	<input type="checkbox"/> HCG, CS
<input type="checkbox"/> Domperione Test	<input type="checkbox"/> Free T4, serum	<input type="checkbox"/> HCG, se
<input type="checkbox"/> Dopamine, 24 hr urine	<input type="checkbox"/> Free metanephrines, 24 hours urine	<input type="checkbox"/> HDL Cho
<input type="checkbox"/> Dried blood spot metabolic tests	<input type="checkbox"/> Free metanephrines, Spot urine	<input type="checkbox"/> HDL Cho
<input type="checkbox"/> Drug Screen, spot urine	<input type="checkbox"/> Gamma Glutamy Transferases, plasma	<input type="checkbox"/> HIAA, 24
<input type="checkbox"/> EGTT1	<input type="checkbox"/> Gastrin, serum	<input type="checkbox"/> Haemog
<input type="checkbox"/> EGTT2	<input type="checkbox"/> Glucagon Stimulation Test 1	<input type="checkbox"/> Haptogl
<input type="checkbox"/> Estimated GFR, plasma	<input type="checkbox"/> Glucagon Stimulation Test 2	<input type="checkbox"/> Homocys

Figure 2. Search for “DBSM” by keyword

The screenshot shows a 'Search Result' window. At the top, there is a search bar with 'DBSM' entered and a 'Search' button. Below the search bar is a table with one row of results. The table has four columns: Discipline, Investigation / Service, Investigation Synonym, and Specimen Description. The result shows 'Biochemistry' for Discipline, 'Dried blood spot metabolic tests' for Investigation / Service, 'DBSM' for Investigation Synonym, and 'Dried Blood Spot' for Specimen Description. At the bottom of the window, there is a status bar indicating 'No of investigations / services: 1' and 'Save' and 'Cancel' buttons.

Discipline	Investigation / Service	Investigation Synonym	Specimen Description
Biochemistry	Dried blood spot metabolic tests	DBSM	Dried Blood Spot