

Hong Kong Institute of Medical Laboratory Sciences Quality Assurance Programme

Haematology & Serology

May Survey (2025)

Dispatch date: 13 May 2025

Date of Return: on or before 27 May 2025

HONG KONG INSTITUTE OF MEDICAL LABORATORY SCIENCES OUALITY ASSURANCE PROGRAMME

Haematology and Serology

INSTRUCTIONS

- 1. In the package there are two samples for complete blood count (CBC), two lyophilized plasmas for coagulation study, two smears for blood cell morphology, and two red cell suspensions and plasma samples for blood group serology.
- 2. Upon receipt of the package, put blood and plasma samples immediately into a refrigerator at 2-8°C until analysis.
- 3. Consider the survey materials as potentially infectious and take standard biosafety measures when handling and disposing the materials.
- 4. Blood samples for CBC and blood group serology, when removed from the refrigerator, should be allowed to stand and equilibrate to 23±5°C for 15 minutes. Do not shake or mix cold blood samples on a mechanical mixer. Swirl tubes between hand palms to thoroughly resuspend the blood samples and gently invert tubes 8 to 10 times immediately before analysis.
- 5. Lyophilized plasma samples should be reconstituted with 1 mL deionized / distilled water. Replace the stopper and swirl gently to make sure complete reconstitution of product. Keep the reconstituted samples at 23±5°C for 30 minutes. Invert to mix before analysis. Do not shake to avoid foam formation. The reconstituted product is stable for 24 hours when stored in its original vial at 2–8°C.
- 6. Process and test survey samples as patient specimens using currently practised analytical procedures in your laboratory.
- 7. Survey results should be submitted on line at http://www.hkimlsqap.org/index.asp using your login name and password.
- 8. Do not forward any particulars of your laboratory except the assigned confidential Laboratory Code.
- 9. Return survey results to HKIMLSQAP on or before the **due date 27 May 2025** Late or no return of survey data will be documented in your report.
- 10. For further enquiry, please contact HKIMLSQAP Ltd. Phone: (852) 2499 0015 Fax: (852) 2124 2798 E-mail: info@hkimlsqap.org

CONFIDENTIALITY

HKIMLSQAP is committed to keep all details of participants confidential. Please refer to http://www.hkimlsqap.org



HONG KONG INSTITUTE OF MEDICAL LABORATORY SCIENCES QUALITY ASSURANCE PROGRAMME

Fax: 21242798

Laboratory code:]			Date of Return: on or before 27 May 2025								
Complete Blood Count													
Tests	ests		HS2521			HS2522				Method (Method Code		
WBC	$(x 10^9/L)$		•					•					
RBC	$(x 10^{12}/L)$		•					•					
Hb	(g/dL)		•					•					
Hct	(L/L)		•					•					
MCV	(fL)		•					•					
Plt	$(x 10^9/L)$		•					•					
Coagulation (data in exact figures are mandatory)													
Tests	ests		3			HS	2524			Method 0	Code	Reagent Code	
APTT	(sec.)		•										
Clinical assessment	(N/B/P)						•						
Your Ref. range	(sec.)		•					•					
		(low)				(hi	gh)						
Tests	Tests		HS2523			HS2524			Method (Code	Reagent Code		
INR			•					•					
ABO and Rh(D) Gro	uping												
Tests		HS2527				HS2528			Method 0	Code	Reagent Code		
		(Reaction Score 0-12)			(Reaction Score 0-12)			A,B,C,D		E,F			
Anti - A													
Anti - A,B													
Anti - B													
Reagent A Cells													
Reagent B Cells													
Reagent O Cells													
ABO Grouping													
Tests		HS2527				HS2528			Method (Code	Reagent Code		
		(Reaction	Scor	e 0-12)		(Re	action	Score	e 0-12)	A,B,C,D		E,F	
Anti - D													
Rh/hr control													
IAT (where applicable)													
Rh (D) Grouping													
Remark (if any):													



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Laboratory code:] D	ate of Ret	urn: on or before 27 May 2025						
Blood Film										
HS2525 was prepared from counts were as follows:	.51 x 10 ¹² /	L, Hb 10.0 g/dL, Hct 0.2	294 L/L, M	nal pain. The automated blood CV 83.8 fL, Plt 44 x 10 ⁹ /L.						
Differential Count	%	RBC Morphology		WBC Morphology						
Neutrophil Band		Normal (N)		Toxic granulation						
Neutrophil Segmented		Abnormal	1/2/3 +	\mathbf{N} = Not seen; \mathbf{P} = Present						
Lymphocyte		Hypochromasia		-						
Monocyte		Polychromasia		Platelet Morphology						
Eosinophil		Anisocytosis		Giant form: easily found?						
Basophil		Microcytosis		N = No; Y = Yes						
Blast		Macrocytosis		Clumping						
Promyelocyte		Poikilocytosis		N = Not seen; P = Present						
Myelocyte		Spherocytosis								
Metamyelocyte		Elliptocytosis		Malarial Parasite						
Atypical lymphocyte		Target cell		N = Not Found; S = P. species;						
Others: (specify in Remark)		Schistocytosis		$\mathbf{F} = \mathbf{P}$. falciparum;						
		Basophilic stippling		$\mathbf{M} = P$. malariae;						
NRBC / 100 WBC		Rouleaux		$\mathbf{O} = \mathbf{P}$. ovale; $\mathbf{V} = \mathbf{P}$. vivax						
Remark of HS2525 (if any	y):									



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Laboratory code:	turn: on or before 27 May 2025			
Blood Film				
automated blood counts v	were as followere as followere as followere	ows: ¹² /L, Hb 7.8 g/dL, Hct 0.2	233L/L, M	nsfusion with bradycardia. The ICV 75.2 fL, Plt 55 x 10 ⁹ /L.
Differential Count	%	RBC Morphology		WBC Morphology
Neutrophil Band	1	Normal (N)		Toxic granulation
Neutrophil Segmented	 	Abnormal	1/2/3 +	N = Not seen; P = Present
Lymphocyte	 	Hypochromasia		•
Monocyte	 	Polychromasia	1	Platelet Morphology
Eosinophil	 	Anisocytosis		Giant form: easily found?
Basophil		Microcytosis		N = No; Y = Yes
Blast		Macrocytosis		Clumping
Promyelocyte		Poikilocytosis		N = Not seen; P = Present
Myelocyte		Spherocytosis		
Metamyelocyte		Elliptocytosis		Malarial Parasite
Atypical lymphocyte		Target cell		N = Not Found; S = P. species;
Others: (specify in Remark)		Schistocytosis		$\mathbf{F} = \mathbf{P}$. falciparum;
		Basophilic stippling		$\mathbf{M} = P$. malariae;
NRBC / 100 WBC		Rouleaux		$\mathbf{O} = \mathbf{P}$. ovale; $\mathbf{V} = \mathbf{P}$. vivax
Remark of HS2526 (if an	ny):			



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Laboratory code:		2				Date of Return: on or before 27 May 2025						
Complete Blood Co	unt											
Tests		HS2521			HS2522				Method Code			
WBC	$(x 10^9/L)$				•							
RBC	$(x 10^{12}/L)$		•				•					
Hb	(g/dL)		•				•					
Hct	(L/L)		<u> • </u>				•		_			
MCV	(fL)		<u> • </u>				•		l			
Plt	$(x 10^9/L)$		•				•					
Coagulation (data in exact figures are mandatory)												
Tests		HS2523)		HS2	HS2524			Method Code	Reagent Code		
APTT	(sec.)		•									
Clinical assessment	(N/B/P)			Ż			·					
Your Ref. range	(sec.)		•				•					
		(low)			(hig	h)						
Tests		HS2523	,		HS2524				Method Code	Reagent Code		
INR			•				•					
FOR Remark (if any):	THE S	SECO	DND) I	NS'	TR	RU	ME	ENT ON	LY		