



**Hong Kong Institute of Medical Laboratory Sciences**

**Quality Assurance Programme Ltd.**

**And**

**The Hong Kong College of Pathologists**

# Interpretative Quality Assurance Programme in Haematology

**November Survey (2025)**

**Dispatch date: 11 November 2025**

**Date of Return: on or before 25 November 2025**

**HONG KONG INSTITUTE OF MEDICAL LABORATORY SCIENCES  
QUALITY ASSURANCE PROGRAMME Ltd.  
And  
THE HONG KONG COLLEGE OF PATHOLOGISTS**

**INTERPRETATIVE QUALITY ASSURANCE PROGRAMME in HAEMATOLOGY**

**INSTRUCTIONS**

1. In the package there are three peripheral blood smears and two samples for thrombophilia study.
2. Process and test survey samples as patient specimens using currently practised analytical procedures in your laboratory.
3. Survey results should be typed or printed legibly on the Return Form.
4. A fillable survey form for Interpretative Quality Assurance Programme in Haematology (HI) can be downloaded at HKIMLSQAP webpage ( <http://www.hkimlsqap.org/index.aspx>).
5. Return your survey results to the HKIMLSQAP either by Facsimile to 2124 2798 or email to [info@hkimlsqap](mailto:info@hkimlsqap).
6. Do not forward any particulars of your laboratory other than the assigned confidential Laboratory Code.
7. Return survey results to HKIMLSQAP on or before the due date specified on the Result Return Forms. Late or no return of survey data will be documented in your report.
8. For further enquiry, please contact HKIMLSQAP Ltd.  
Phone: (852) 24990015 Fax: (852) 2124 2798 E-mail: [info@hkimlsqap.org](mailto:info@hkimlsqap.org)

**CONFIDENTIALITY**

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

Lab. Code \_\_\_\_\_ Date of return on or before 25 November 2025

## IQ 2541 (Peripheral Smear)

History: A 63-year-old man presented with malaise. A complete blood count showed WBC  $7.3 \times 10^9/L$ , Hb 9 g/dL and platelet  $30 \times 10^9/L$ .

1. Please describe your peripheral blood smear findings.

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2. What is the diagnosis? (Please specify classification system used when appropriate).

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3. What further investigations will you perform?

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Answers provided by (please check one):

- |   |                          |
|---|--------------------------|
| 1. Specialist Haematologist                                 | <input type="checkbox"/> |
| 2. Trainee Haematologist                                    | <input type="checkbox"/> |
| 3. Pathologist in another discipline other than haematology | <input type="checkbox"/> |
| 4. Medical Technologist                                     | <input type="checkbox"/> |
| 5. Other medical personnel (please specify) _____           | <input type="checkbox"/> |

**Lab. Code** \_\_\_\_\_ **Date of return on or before** **25 November 2025**

## IQ 2542 (Peripheral Smear)

History: A 58-year-old woman presented with fever. A complete blood count showed WBC  $2.7 \times 10^9/L$ , Hb 10.9 g/dL and platelet  $14 \times 10^9/L$ .

1. Please describe your peripheral blood smear findings.

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2. What is the diagnosis? (Please specify classification system used when appropriate).

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3. What further investigations will you perform?

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Answers provided by (please check one):

- |   |                          |
|---|--------------------------|
| 1. Specialist Haematologist                                 | <input type="checkbox"/> |
| 2. Trainee Haematologist                                    | <input type="checkbox"/> |
| 3. Pathologist in another discipline other than haematology | <input type="checkbox"/> |
| 4. Medical Technologist                                     | <input type="checkbox"/> |
| 5. Other medical personnel (please specify) _____           |                          |

Lab. Code \_\_\_\_\_ Date of return on or before 25 November 2025

## IQ 2543 (Peripheral Smear)

History: A 92-year-old man admitted for fall. A complete blood count showed WBC  $4.3 \times 10^9/L$ , Hb 5.1 g/dL and platelet  $64 \times 10^9/L$ .

1. Please describe your peripheral smear findings.

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2. What is the diagnosis?

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3. What further investigations will you perform?

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Answers provided by (please check one):

- |   |                          |
|---|--------------------------|
| 1. Specialist Haematologist                                 | <input type="checkbox"/> |
| 2. Trainee Haematologist                                    | <input type="checkbox"/> |
| 3. Pathologist in another discipline other than haematology | <input type="checkbox"/> |
| 4. Medical Technologist                                     | <input type="checkbox"/> |
| 5. Other medical personnel (please specify) _____           | <input type="checkbox"/> |

**Lab. Code** \_\_\_\_\_ **Date of return on or before** **25 November 2025**

## IQ 2544A and 2544B (Thrombophilia study)

Please perform protein C, protein S and anti-thrombin assays on 2544A and 2544B.

**Note:** Since absence of infectious agents cannot be proven, all materials obtained from human blood should always be handled with due care by following the precautions recommended for handling biohazardous material.

**Sample Preparation:** Dissolve the contents of each vial with 1 mL of CLSI type CLR water or equivalent. Replace the stopper and swirl gently. Make sure of the complete reconstitution of the product. Allow the solution to stand at 15 – 25°C for 30 minutes. Then invert to mix before use. Do not shake. Avoid foam formation. Stability after reconstitution is 4 hours at room temperature. Store unopened specimen at 2-8°C.

### Result (IQ 2544A)

Instrument / Analyte / Reagent / Method Names	Assay Value / Interpretation			
Instrument used:				
Protein C			Reference range of your laboratory (%)	
Reagent used:				
Interpretation	Below /	Normal /	Elevated /	Not Applicable
Protein S Activity			Reference range of your laboratory (%):	
Reagent used:				
Interpretation	Below /	Normal /	Elevated /	Not Applicable
Free Protein S Antigen			Reference range of your laboratory (%):	
Reagent used:				
Interpretation	Below /	Normal /	Elevated /	Not Applicable
Antithrombin			Reference range of your laboratory (%)	
Reagent used:				
Interpretation	Below /	Normal /	Elevated /	Not Applicable

**Lab. Code** \_\_\_\_\_ **Date of return on or before** 25 November 2025

**Result (IQ 2544B)**

Instrument / Analyte / Reagent / Method Names	Assay Value / Interpretation	
Instrument used:		
Protein C		Reference range of your laboratory (%)
Reagent used:		
Interpretation	Below / Normal / Elevated / Not Applicable	
Protein S Activity		Reference range of your laboratory (%):
Reagent used:		
Interpretation	Below / Normal / Elevated / Not Applicable	
Free Protein S Antigen		Reference range of your laboratory (%):
Reagent used:		
Interpretation	Below / Normal / Elevated / Not Applicable	
Antithrombin		Reference range of your laboratory (%)
Reagent used:		
Interpretation	Below / Normal / Elevated / Not Applicable	

Answers provided by (please check one):

- |   |                          |
|---|--------------------------|
| 1. Specialist Haematologist                                 | <input type="checkbox"/> |
| 2. Trainee Haematologist                                    | <input type="checkbox"/> |
| 3. Pathologist in another discipline other than haematology | <input type="checkbox"/> |
| 4. Medical Technologist                                     | <input type="checkbox"/> |
| 5. Other medical personnel (please specify) _____           | <input type="checkbox"/> |

(End of question)