



Hong Kong Institute of Medical Laboratory Sciences

Quality Assurance Programme

May Survey (2025)

Anatomical Pathology

HONG KONG INSTITUTE OF MEDICAL LABORATORY SCIENCES

QUALITY ASSURANCE PROGRAMME

Anatomical Pathology

INSTRUCTIONS

1. All tests should be performed as soon as possible after the receipt of the specimens.
2. Unless otherwise specified, all survey material had been fixed in 10% buffered formalin and paraffin embedded.
3. The survey material should be treated, as far as possible, like a patient specimen.
4. The survey material should be treated as potentially hazardous and standard laboratory safety precautions should be taken as usual in your laboratory.
5. To complete the survey, you should send back the stained slides together with appropriate controls, and the questionnaire for statistical analysis and compilation of results.
6. Do NOT forward any particulars of your laboratory except your assigned confidential Laboratory Code. **Late return will be counted as not done and the results will NOT be accepted for assessment and statistical analysis.**
7. All stained slides should be properly labelled with the **assigned 4-digit laboratory code but not the identity of your laboratory.**
8. Place the labelled slides inside the slide mailers. **Please ensure the mountant is completely dried up before putting inside the slide mailer.**
9. Return the slide mailers and completed questionnaire in the enclosed foam-padded envelope.
10. Arrange return of survey material with the courier service provider according to the instruction as per attached before on **29 May 2025**

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
ANATOMICAL PATHOLOGY**

MAY SURVEY (2025)

HISTOLOGICAL STAINING MODULE

You are provided with two paraffin sections, which had been fixed in 10% buffered formalin. Perform the following staining methods and return the **STAINED SECTIONS** for assessment.

HC2506 Stain with your routine H&E method

HC2507 Stain with Southgate's Mucicarmine Method for demonstration of mucins

POSITIVE CONTROLS ARE REQUIRED BUT NOT FOR ASSESSMENT.

Please label the slides with the corresponding **Test code** and your confidential **Laboratory Code** for identification purposes. **No mark will be given for the unlabelled slide.** Put not more than two slides in one mailer in each return.



HONG KONG INSTITUTE OF MEDICAL LABORATORY SCIENCES
QUALITY ASSURANCE PROGRAMME

**HISTOLOGICAL STAINING MODULE
RETURN FORM**

Laboratory Code:

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Date of Return: on or before **29 May 2025**

QUESTIONNAIRE

SECTION I: HISTOPATHOLOGY

Please answer the following questions:

1. What is the section thickness for your routine mucin stain?

3 μm

4 μm

5 μm

6 μm

Others (please state)

2. Under usual practice in your laboratory, how do you prepare the mucicarmin solution?

In-house preparation

Commercial

Brands (please state)

3. How do you keep the stock mucicarmin solution?

Room temperature

4 °C

Others (please state)

4. What is the concentration of the working mucicarmin solution?

5. What staining method does your laboratory currently used for the demonstration of mucin?

6. Please provide the information of your routine histochemical procedure:

Southgate's mucicarmine method

<i>Reagent</i>	<i>% / Composition</i>	<i>Time</i>	<i>Temp (°C)</i>
Nuclear stain: _____		_____ min.	
Mucicarmine solution used: Working: (____:____)	Stock solution: - Carmine g - % Alcohol g - Aluminium hydroxide g - Aluminium chloride g	_____ min.	
Counterstain (if any)		_____ min	

END

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ANATOMICAL PATHOLOGY**

MAY SURVEY (2025)

IMMUNOHISTOCHEMICAL STAINING MODULE

Evaluation of CD117 Antibody

HC2508 You are provided with a paraffin section, stain the slide with your **in-house Anti-Human CD117** antibody and your routine immunohistochemistry detection system.

Evaluation of CD10 Demonstration

HC2509 You are provided with a paraffin section, stain the slide with your **in-house Anti-Human CD10** antibody and your routine immunohistochemistry detection system.

Evaluation of CAIX Demonstration

HC2510 You are provided with a paraffin section, stain the slide with your **in-house Anti-Human CAIX** antibody and your routine immunohistochemistry detection system.

POSITIVE CONTROLS ARE REQUIRED BUT NOT FOR ASSESSMENT.

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QUALITY ASSURANCE PROGRAMME

IMMUNOHISTOCHEMICAL STAINING MODULE
RETURN FORM

Laboratory Code:

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Date of Return: on or before **29 May 2025**

QUESTIONNAIRE

Your immunohistochemistry conditions:

<i>STEP</i>	<i>HC2508 (CD117 in-house)</i>	<i>HC2509 (CD10 in-house)</i>	<i>HC2510 (CAIX in-house)</i>
Supplier			
Dilution	1:	1:	1:
Peroxidase Blocking	min.	min.	min.
Antigen retrieval: <input type="checkbox"/> Trypsinization <input type="checkbox"/> Microwave <input type="checkbox"/> Pressure cooking <input type="checkbox"/> PT module <input type="checkbox"/> Others	YES / NO min.	YES / NO min.	YES / NO min.
Detection System			
Duration of Colour Development	DAB min.	DAB min.	DAB min.
End product Colour Enhancement (if any)	min.	min.	min.

END