



Participant Handbook

THE EXTERNAL QUALITY ASSESSMENT SCHEMES IN CLINICAL LABORATORY
FACULTY OF MEDICAL TECHNOLOGY, MAHIDOL UNIVERSITY



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Introduction



The External Quality Assessment Schemes in Clinical Laboratory, Faculty of Medical Technology, Mahidol University, were established in 1985 by the late Professor Dr. Vikul Viranuvatti, the founding Dean and a pioneer in Thailand's medical technology profession. This program was the first external assessment initiative for medical laboratories in Thailand and continues to play a vital role in ensuring laboratory standards both nationally and internationally. By

Vision

To become a leading international organization in External Quality Assessment (EQA) for medical laboratories by 2027, through the advancement of research, innovation, and services that deliver maximum and sustainable benefits to society.

Mission

1. Provide External Quality Assessment (EQA) services for medical laboratories in accordance with international standards, ensuring fairness, impartiality, and confidentiality of participants and customers.
2. Engage in research and development to continuously enhance operations, delivering maximum benefit and sustainable to society.
3. Align with the policies of the Faculty, University, and national authorities to achieve the ultimate goal of organization and partners.

Currently, 13 schemes are available, covering all 5 major areas. Two schemes were accredited under ISO/IEC 17043 in 2022, and preparations are underway to obtain accreditation for all remaining schemes. The details of each scheme are as follows:

1. Clinical Chemistry

1.1 The External Quality Assessment Scheme in Clinical Chemistry (EQAC)

1.2 The External Quality Assessment Scheme in Cardiac Markers (EQACM)

1.3 The External Quality Assessment Scheme in Hormones (EQAH)

1.4 The External Quality Assessment Scheme in Tumor Markers (EQAT)

2. Clinical Microscopy

2.1 The External Quality Assessment Scheme in Clinical Microscopy:

Complete Blood Count (B-EQAM)

2.2 The External Quality Assessment Scheme in Clinical Microscopy:

Blood Film Examination (H-EQAM)

2.3 The External Quality Assessment Scheme in Clinical Microscopy:

Urine - Cytohematology Proficiency Test (UC-EQAM)

2.4 The External Quality Assessment Scheme in Clinical Microscopy:

Virtual Blood Film Examination (VH-EQAM)

3. Parasitology

The External Quality Assessment Scheme in Parasitology (EQAP)

4. Immunology

4.1 The External Quality Assessment Scheme in Clinical Immunology:

Syphilis Serology (EQAI: Syphilis)

4.2 The External Quality Assessment Scheme in Clinical Immunology:

Hepatitis B virus serology (EQAI: HBV)

4.3 The External Quality Assessment Scheme in Clinical Immunology:

Hepatitis C virus serology (EQAI: HCV)

5. Bacteriology

The External Quality Assessment Scheme in Bacteriology (EQAB)

- Gram stain (EQAB: GRAM)

- Acid fast bacilli stain (EQAB: AFB)

- Bacterial identification and susceptibility testing (EQAB: IDEN & AST)

[2] Objectives

- 2.1 Deliver services in compliance with ISO 17043 requirements and related standards.
- 2.2 Ensure impartial, equitable service delivery while strictly upholding the confidentiality of participants and customers.
- 2.3 Maintain service quality in accordance with established standards to meet participant needs and maximize their benefits.
- 2.4 Commit to continuously improve the quality of products and services.

[3] Department and Responsibilities

Departments	Responsibilities
Center for Standardization and Product Validation	● Customer service and relationship ● Participant enrollment process ● Website and database administrator ● Coordinate among EQA Schemes and participants ● EQAC, EQACM and and production of lyophilized samples
Clinical Chemistry	● EQAH and EQAT
Community Medical Technology	● EQAP
Clinical Microscopy	● B-EQAM, H-EQAM, VH-EQAM and UC-EQAM
Clinical Microbiology and Applied Technology	● EQAI: Syphilis, EQAI: HBV, EQAI: HCV and EQAB

[4] Fees and General Information

Enrollment

July 1, 2025 – November 1, 2025

Membership period: January 1 – December 31, 2026

No.	Program	Fee (THB)	Maximum number of Participants	Payment Due Date
1.	EQAC	3,000	1,000	November 1, 2025
2.	EQACM	5,000		
3.	EQAH	4,500		
4.	EQAT	4,500		
5.	EQAP**	2,000	200	
6.	B-EQAM	3,500	550	
7.	H-EQAM	3,500	250	
8.	VH-EQAM	3,000	1,000	
9.	UC-EQAM	1,500		
10.	EQAI: Syphilis	2,200		
11.	EQAI: HBV	2,200		
12.	EQAI: HCV	2,200		
13.	EQAB: All 1) GRAM 2) AFB 3) IDEN & AST	3,000		
	EQAB: GRAM	1,000		
	EQAB: AFB	1,000		
	EQAB: IDEN & AST	1,200		

* **Note:** EQAP: You can request the project to evaluate specific test as follows.

(Requested in the first evaluation)

- 1) Fecal examination and digital specimen
- 2) Fecal examination
- 3) Digital specimen

*** Does not include international logistic fee for international participants.

[5] Requirement for Participant

1. Government and private medical laboratories.
Laboratories outside of Thailand are accepted with additional logistical and customs expenses.
2. Apply in person on EQAS-MUMT website.
3. Making payment and attach a proof of payment within the deadline.
4. Check participation status by logging into the website <https://eqamt.mahidol.ac.th> and go to payment menu.
5. If you are cancellation, please send a request to <https://eqamt.mahidol.ac.th>
6. To comply with the confidentiality policy, all correspondence must be done by the applicants themselves.
7. Any questions or suggestions, please contact:

Center for Standardization and Product Validation
Faculty of Medical Technology, Mahidol University
999 Phutthamonthon Sai 4 Road
Salaya, Puthamonthon
Nakhon Pathom 73170
Thailand



Telephone	0 2441 4376 ext 2512
Mobile	06 3895 1287
E-mail	eqamtmu@gmail.com
Line Official	@073tlzfy
Line OpenChat	EQAS MUMT CONNECT



[6] Application

6.1 Application channel



EQAS-MUMT Website

<https://eqamt.mahidol.ac.th>

backup: <https://mt.mahidol.ac.th/>

6.2 Payment Methods

1. Cash

Center for standardization and Production
Validation, 5th floor

Science and Medical Technology Building
Faculty of Medical Technology,
Mahidol University

2. QR PromptPay



Faculty of Medical Technology, Mahidol
University
Invoice

3. Money Transfer



Via Bank / ATM / E-banking mobile banking
Siam Commercial Bank (SCB)

Account number: 016 452491 2

Account name “Project the external quality
assessment schemes in clinical laboratory,
faculty of medical technology”

4. Cheque

Pay to “Project the external quality assessment
schemes in clinical laboratory, faculty of
medical technology”

6.3 Proof of payment

After your paid bill. Please attach a proof of payment to
<https://eqamt.mahidol.ac.th> at the menu “payment” or
eqamtmu@gmail.com.

6.4 Receipt

After staff received a proof of payment. The Finance Officer will review your slip payment within 30 days. Please keep a proof of payment until you will receive original receipt from EQAS.

6.5 Cancellation and refund policy

After completing the application, please review the billing details and application fee carefully. As payments are non-refundable, ensure that all information is accurate before proceeding with the payment.

[7] Request for a copy document

7.1 Receipts

If you do not receive the receipt within 30 days after payment, please contact us to check payment status.

[8] Certificates

The External Quality Assessment Scheme will be awarded E-certificate to participants who meet the requirement of each scheme via online and after the end of scheme. Please participant answer satisfaction survey.

[9] Request for a copy document

The identity of participants is confidential and known only to persons involved in the operation of the program, unless the participant waives confidentiality. If necessary, only participants' ID provided by the program will be used.

Interested parties who want a copy of the report must first obtain permission from the participant and then fill out the form to verify that permission has been granted. The participant will be contacted once again by the program personnel to confirm the authorization.

Participants will be notified in writing if a regulatory authority requires us to submit EQA results.

[10] Complaint and Appeal

10.1 Complaint

In case of any dissatisfaction with the services, please contact the responsible unit, either the Center for Standardization and Product Validation or scheme coordinator. Complaints will be acknowledged and a course of action will be provided immediately or within 3 days, depending on the contact method and the level of impact. For more details, please visit: <https://eqamt.mahidol.ac.th/complain/>

10.2 Appeal

Disagreement with the decision regarding a complaint made to the External Quality Assessment Scheme (EQAS), an appeal may be file to the Division of Legal Affairs, Mahidol University within 30 days of receiving the decision. The appeal must be submitted in writing, including the name and address of the laboratory, details of the complaint, and must be signed by the laboratory director. The appeal should be sent to:

Division of Legal Affairs,
Office of President, Mahidol University
999 Phutthamonthon Sai 4 Road
Salaya, Puthamonthon, Nakhon Pathom 73170
Thailand

The External Quality Assessment Scheme in Clinical Chemistry

Provider	Center for Standardization and Product Validation Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170																										
Sample	Human serum (lyophilized, Negative for HBsAg, anti-HCV, anti-HIV, HIV antigen and Syphilis)																										
Test(s)	<table><tr><td>1. Albumin</td><td>9. Chloride</td><td>17. LDL-Cholesterol</td></tr><tr><td>2. ALP</td><td>10. Cholesterol</td><td>18. Magnesium</td></tr><tr><td>3. ALT (SGPT)</td><td>11. CK, Total</td><td>19. Phosphorus, Inorganic</td></tr><tr><td>4. Amylase, Total</td><td>12. Creatinine</td><td>20. Potassium</td></tr><tr><td>5. AST (SGOT)</td><td>13. GGT</td><td>21. Protein, Total</td></tr><tr><td>6. BUN</td><td>14. Glucose</td><td>22. Sodium</td></tr><tr><td>7. Bilirubin, Total</td><td>15. HDL-Cholesterol</td><td>23. Triglycerides</td></tr><tr><td>8. Calcium, Total</td><td>16. LDH</td><td>24. Uric acid</td></tr></table>			1. Albumin	9. Chloride	17. LDL-Cholesterol	2. ALP	10. Cholesterol	18. Magnesium	3. ALT (SGPT)	11. CK, Total	19. Phosphorus, Inorganic	4. Amylase, Total	12. Creatinine	20. Potassium	5. AST (SGOT)	13. GGT	21. Protein, Total	6. BUN	14. Glucose	22. Sodium	7. Bilirubin, Total	15. HDL-Cholesterol	23. Triglycerides	8. Calcium, Total	16. LDH	24. Uric acid
1. Albumin	9. Chloride	17. LDL-Cholesterol																									
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4. Amylase, Total	12. Creatinine	20. Potassium																									
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6. BUN	14. Glucose	22. Sodium																									
7. Bilirubin, Total	15. HDL-Cholesterol	23. Triglycerides																									
8. Calcium, Total	16. LDH	24. Uric acid																									
Frequency	12 trials/year (dispatch every first week of the month)																										
Number of sample(s) / trial	1 sample																										
Performance Evaluation	Z-score calculated from robust mean and robust SD Acceptable criteria: Z-score of less than ± 3.0																										
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Homogeneity and stability tests																										
Contact person	Ms. Chonnipa Pantakrud																										
Phone	+66 2 441 4376 Ext. 2524 and +66 98 216 6571																										
E-mail	eqacmumt@gmail.com																										

The External Quality Assessment Scheme in Cardiac Markers

Provider	Center for Standardization and Product Validation Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	Human serum (lyophilized, Negative for HBsAg, anti-HCV, anti-HIV, HIV antigen and Syphilis)
Test(s)	Test Hormones: 1) hsTroponin I 2) hsTroponin T 3) NT-pro BNP
Frequency	6 trials/year (dispatch every 15 day of February, April, June, August, October and December)
Number of sample(s) / trial	2 samples
Performance Evaluation	Z-score calculated from median and normalized IQR Acceptable criteria: Z-score of less than ± 3.0
Subcontractor	International Center for Medical and Radiological Technology Faculty of Medical Technology, Golden Jubilee Medical Center, Mahidol University 888 No. 6 Salaya, Phutthamonthon, Nakhon Pathom 73170 Activity: Homogeneity and stability tests
Contact person	Ms. Chonnipa Pantakrud
Phone	+66 2 441 4376 Ext. 2524 and +66 98 216 6571
E-mail	eqacmmumt@gmail.com

The External Quality Assessment Scheme in Hormones

Provider	Department of Clinical Chemistry Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	Human serum (lyophilized, Negative for HBsAg, anti-HCV, anti-HIV, HIV antigen and Syphilis)
Test(s)	Test Hormones: 1) Total T3 2) Free-T3 (FT3) 3) Total T4 4) Free-T4 (FT4) 5) TSH
Frequency	6 trials/year (dispatch every second week of February, April, June, August, October and December)
Number of sample(s) / trial	2 samples
Performance Evaluation	Z-score calculated from median and normalized IQR Acceptable criteria: Z-score of less than ± 3.0
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Homogeneity and stability tests
Contact person	Ms. Nongkanok Khanarat
Phone	+66 2 441 4376 Ext. 2521 and +66 82 172 2663
E-mail	eqahmumt@gmail.com

The External Quality Assessment Scheme in

Tumor Markers

Provider	Department of Clinical Chemistry Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	Human serum (lyophilized, Negative for HBsAg, anti-HCV, anti-HIV, HIV antigen and Syphilis)
Test(s)	1) Alpha-fetoprotein (AFP) 2) Carcinoembryonic antigen (CEA) 3) Prostate specific antigen (PSA) 4) Beta-human chorionic gonadotropin (beta-HCG) 5) CA 125 6) CA 19-9 7) CA 15-3
Frequency	6 trials/year (dispatch every first week of January, March, May, July, September, and November)
Number of sample(s) / trial	2 samples
Performance Evaluation	Z-score calculated from median and normalized IQR Acceptable criteria: Z-score of less than ± 3.0
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Homogeneity and stability tsets
Contact person	Ms. Nongkanok Khanarat
Phone	+66 2 441 4376 Ext. 2521 and +66 82 172 2663
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The External Quality Assessment Scheme in

Parasitology

Provider	Department of Community Medical Technology Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	1) Fecal sediment 2) Digital specimen
Test(s)	1) Diagnosis of parasites in fecal sediment 2) Diagnosis of Malaria in Digital blood film
Frequency	4 trials/year (Dispatch first week of February, May, August, and November)
Number of sample(s) / trial	3 samples (Fecal sediment 2 samples and digital samples 1 sample) *
Performance Evaluation	Consensus values from referee Acceptable criteria: Exact match
Subcontractor	None
Contact person	Ms. Parichat Wijanphon
Phone	+66 2 441 4376 Ext. 2832 และ +66 97 079 9379
E-mail	eqap.mahidol@gmail.com

* Note: You can request the project to evaluate specific test in the first evaluation.

Clinical Microscopy: Complete Blood Count

Provider	Department of Clinical Microscopy Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700
Sample	partially stabilized whole blood
Test(s)	Complete Blood Count; CBC 1. WBC 6. MCH 2. RBC 7. MCHC 3. Hb 8. RDW 4. Hct 9. PLT 5. MCV
Frequency	4 trials/year (Dispatch second week of February, May, August and November)
Number of sample(s) / trial	1 sample
Performance Evaluation	Standard Deviation Index (SDI) calculated from group mean and group SD Acceptable criteria: SDI of less than ± 2.0
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Homogeneity and stability tests
Contact person	Ms. Varat Laohaunya
Phone	+66 2 411 2258 Ext. 171
E-mail	beqam.mahidol@gmail.com

Clinical Microscopy: Blood Film Examination

Provider	Department of Clinical Microscopy Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700
Sample	Blood smear (Wright-Giemsa stain)
Test(s)	Blood Film Examination
Frequency	4 trials/year (Dispatch third week of February, May, August and November)
Number of sample(s) / trial	1 sample
Performance Evaluation	Consensus from participant and referee Acceptable criterial: Exact match for qualitative parameters and consensus median for semi-quantitative and quantitative parameters
Subcontractor	None
Contact person	Ms. Varat Laohaunya
Phone	+66 2 411 2258 Ext. 171 and +66 82 212 2557
E-mail	heqam.mahidol@gmail.com

The External Quality Assessment Scheme in Virtual Blood Film Examination

Provider	Department of Clinical Microscopy Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700
Sample	Digital blood smear (Wright-Giemsa)
Test(s)	Virtual blood film examination
Frequency	3 trials/year (Dispatch first week of April, July and October)
Number of sample(s) / trial	2 samples
Performance Evaluation	Consensus from participant and referee Acceptable criterial: Exact match for qualitative parameters and consensus median for semi-quantitative and quantitative parameters
Subcontractor	None
Contact person	Ms. Wrattya Aroontanee
Phone	+66 2 411 2258 Ext. 171 and +66 65 242 2660
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The External Quality Assessment Scheme in

Clinical Microscopy: Urine – Cytohematology Proficiency

Provider	Department of Clinical Microscopy Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700
Sample	Urine and Blood smear pictures
Test(s)	Blood Film Examination
Frequency	4 trials/year (Dispatch second week of February, May, August and November)
Number of sample(s) / trial	4 samples
Performance Evaluation	Misclassification Index Score (MIS) calculated from assigned values by referee or participants consensus (80%) Acceptable criteria: MIS > 2.5
Subcontractor	None
Contact person	Mr. Noppawat Tankanin
Phone	+66 2 411 2258 Ext. 171 and +66 65 242 2660
E-mail	uceqam.mahidol@gmail.com

Clinical Immunology: Syphilis Serology

Provider	Department of Clinical Microbiology and Applied Technology, Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	Human serum (Negative for HBsAg, Anti HCV, HIV-Ag, Anti HIV, NAT (HIV/HCV) and Inactivated at 56°C for 30 minutes)
Test(s)	1) Non-Treponemal Test 2) Treponemal Test
Frequency	4 trials/year (Dispatch first week of February, May, August and November)
Number of sample(s) / trial	4 samples
Performance Evaluation	Misclassification Index Score (MIS) calculated from 80% consensus of participant response Acceptable criteria: MIS > 1
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Sample characterization; Homogeneity and stability tests
Contact person	Mr. Suthee Woranuch
Phone	+66 2 441 4376 Ext. 2528 and +66 80 982 5570
E-mail	eqai.mahidol@gmail.com

Clinical Immunology: Hepatitis B Virus Serology

Provider	Department of Clinical Microbiology and Applied Technology, Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Phutthamonthon, Nakhon Pathom 73170
Sample	Human serum (Negative for Treponemal Ab, Anti HCV, HIV-Ag, Anti HIV and Inactivated at 56°C for 30 minutes)
Test(s)	1) Hepatitis B surface antigen (HBsAg) 2) Hepatitis B surface antibody (anti-HBs) 3) Total Hepatitis B core antibody (anti-HBc) 4) Hepatitis B e antigen (HBeAg) 5) Hepatitis B e antibody (anti-HBe)
Frequency	4 trials/year (Dispatch first week of February, May, August and November)
Number of sample(s) / trial	4 samples
Performance Evaluation	Qualitative: Misidentification index score calculated from participants consensus of at least 80% Acceptable criteria: MIS > 1 Semi-quantitative: Z-score calculated from group median and normalized IQR Acceptable criteria: Z score of less than 2
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Sample characterization; Homogeneity and stability tests
Contact person	Ms. Warisara Pratibaram
Phone	+66 2 441 4376 Ext. 2529
E-mail	eqai.mahidol@gmail.com

The External Quality Assessment Scheme in :

Clinical Immunology: Hepatitis C Virus Serology

Provider	Department of Clinical Microbiology and Applied Technology, Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	Human serum (Negative for Treponemal Ab, HIV-Ag, Anti HIV, HBs-Ag and Inactivated at 56°C for 30 minutes)
Test(s)	1) Anti-HCV antibody (anti-HCV) 2) HCV antigen (HCV-Ag)
Frequency	4 trials/year (Dispatch third week of February, May, August and November)
Number of sample(s) / trial	4 samples
Performance Evaluation	Misclassification Index Score (MIS) calculated from 80% consensus of participant response Acceptable criteria: MIS > 1
Subcontractor	Medical Diagnostic Laboratory Unit Faculty of Medical Technology 2 Wanglang Road Bangkoknoi, Bangkok 10700 Activity: Sample characterization; Homogeneity and stability tests
Contact person	Ms. Warisara Pratibaram
Phone	+66 2 441 4376 Ext. 2529
E-mail	eqaihcv.mtmu@gmail.com

Bacteriology

Provider	Department of Clinical Microbiology and Applied Technology, Faculty of Medical Technology 999 Phutthamonthon Sai 4 Road Salaya, Puthamonthon, Nakhon Pathom 73170
Sample	1) Bacterial smear 2) Sputum smear 3) Bacterial culture in semi-solid media
Test(s)	1) Gram stain 2) Acid fast bacilli stain 3) Bacterial identification and susceptibility testing
Frequency	3 trials/year (Dispatch third week of February, June and October)
Number of sample(s) / trial	2 samples
Performance Evaluation	P-score calculated from the assigned values Acceptable criteria: $P < 1.96$
Subcontractor	Bacteria Laboratory, 3rd Floor Microbiology Building Siriraj Hospital, 2 Wanglang Road Bangkok, Bangkok 10700 Activity: Homogeneity and stability tests
Contact person	Ms. Peerada Phuechpisut
Phone	+66 61 174 7884
E-mail	eqab.mtmu@gmail.com

List of Contributors

Management Team

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Asst. Prof. Dr. Rungrot Cherdtrakulkiat	Head of the Department of Clinical Microbiology and Applied Technology
Asst. Prof. Dr. Prasong Khaenam	Assistant Dean Academic Services

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Ms. Vanna Pengruangrojanachai

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EQAC

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Scientist
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Medical Scientist
Advisor

EQACM

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Co-operator
Co-operator
Co-operator
Medical Technologist
Scientist
Advisor

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Lecturer Dr. Waralee Ruankham
Mrs. Prapaporn Thanootrakul
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Assoc. Prof. Dr. Sureerut Porntadavity

Coordinator
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Medical Technologist
Scientist
Advisor

EQAP

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Ms. Parichat Wijanphon	Medical Technologist
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Asst. Prof. Dr. Somchai Boonpangrak	Co-operator
Asst. Prof. Dr. Likit Preeyanon	Co-operator
Asst. Prof. Dr. Pawared Ontong	Co-operator
Lecturer Dr. Lertyot Treeratanapiboon	Co-operator
Lecturer Dr. Nuttapat Anuwongcharoen	Co-operator
Lecturer Dr. Pongsakotn thawornpan	Co-operator
Ms. Suparat Yengham	General Administration Officer
Asst. Prof. Choomanee Lamom	Advisor

B-EQAM

Asst. Prof. Dr. Moltira Promkan	Coordinator
Asst. Prof. Dr. Sumana Dakeng	Technical Manager
Ms. Sirilak Wiriyaucharadecha	Advisor

H-EQAM

Assoc. Prof. Dr. Dalina Tanyong	Coordinator
Asst. Prof. Dr. Sumana Dakeng	Technical Manager
Assoc. Prof. Dr. Aungkura Supokawej	Co-operator
Asst. Prof. Vichanan Yamkamon	Co-operator
Asst. Prof. Dr. Moltira Promkan	Co-operator
Asst. Prof. Dr. Jitrada Phetfong	Co-operator
Asst. Prof. Dr. Chutipong Sukkanon	Co-operator
Asst. Prof. Dr. Podchanart Wanitchakool	Co-operator
Lecturer Dr. Wasinee Kheansaard	Co-operator
Lecturer Dr. Piamsiri Jiramornimit	Co-operator
Ms. Varat Laohaunya	Co-operator
Ms. Varapon Malison	Co-operator
Asst. Prof. Dr. Sumana Mas-Oodi	Advisor

VH-EQAM

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Ms. Varat Laohaunya
Ms. Wrattya Aroontanee
Asst. Prof. Dr. Sumana Mas-oodi
Assoc. Prof. Dr. Aungkura Supokawej

Coordinator
Technical Manager
Co-operator
Co-operator
Advisor
Advisor

UC-EQAM

Asst. Prof. Dr. Vichanan Yamkamon
Asst. Prof. Dr. Moltira Promkan
Asst. Prof. Dr. Chutipong Sukkanon
Mr. Noppawat Tankanjn

Coordinator
Technical Manager
Co-operator
Co-operator

EQAI: Syphilis

Assoc. Prof. Dr. Patchanee Chootong
Asst. Prof. Dr. Donporn Riyapa
Mr. Suthee Woranuch
Asst. Prof. Dr. Chaniya Leepiyasakulchai

Coordinator
Technical Manager
Medical Technologist
Advisor

EQAI: HBV

Asst. Prof. Dr. Chaniya Leepiyasakulchai

Ms. Warisara Pratibaram

Coordinator
Technical Manager
Medical Scientist

EQAI: HCV

Asst. Prof. Dr. Chaniya Leepiyasakulchai
Lecturer Dr. Witchayapon Kamprom
Ms. Warisara Pratibaram

Coordinator
Technical Manager
Medical Scientist

EQAB

Asst. Prof. Dr. Rungrot Cherdtrakulkiat
Assoc. Prof. Dr. Theeraphon Piacham
Assoc. Prof. Dr. Rungrot Cherdtrakulkiat
Asst. Prof. Dr. Kanokwan Kittiniyom
Assoc. Prof. Dr. Warawan Eiamphungporn
Assoc. Prof. Dr. Sakda Yainoy
Ms. Peerada Phuechpisut
Ms. Thitaree Sakdachansawat

Coordinator
Technical Manager 1
Technical Manager 2
Technical Manager 3
Technical Manager 4
Technical Manager 4
Co-operator
Co-operator

*Note 1EQAB: Gram 2 EQAB: AFB 3EQAB: Identification 4EQAB: AST

2026
EQAS MUMT

Faculty of Medical Technology, Mahidol University



MAHIDOL UNIVERSITY
Faculty of Medical Technology

DETERMINATION

The leading institute developing for the betterment of society

VISION

The faculty is geared to be a model organization of Medical Technology and Radiological Technology with international standards focused on creating knowledge, innovation and services for a sustainable healthcare and benefit of the society in the year 2027.

MISSION

1. To produce highly skilled and competent graduates in medical technology and radiological technology
2. To advance research and innovation for the betterment of the society
3. To excel in academic and health services for professional development and health promotion of the society

MUMT CORE VALUES

L

Leadership

- Demonstrate leadership
- Communicate effectively
- Respect and value others
- Be a good example

E

Excellence

- Be an expert
- Conduct a quality work
- Aim for excellence

A

Agility

- Be resilient and flexible
- Adapt quickly to cope with changes

R

Responsibility

- Be responsible for oneself, organization and society

N

Novelty

- Create new things for development

THE EXTERNAL QUALITY ASSESSMENT SCHEMES IN CLINICAL LABORATORY
FACULTY OF MEDICAL TECHNOLOGY, MAHIDOL UNIVERSITY



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