



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**PUSAT PENGURUSAN MAKMAL  
UNIVERSITI (PPMU)**

Form Num.	UURL/F/23
Revision No.	1/2024
Effective Date	01/03/2024
Equipment	TQGCMS
Sample Serial No.	UURL/

**ADVANCED MASS SPECTROMETRY LABORATORY**

**SAMPLE SUBMISSION FORM**

**General Rules and Requirements:**

- All information provided should be true
- Booking will be notified/updated by email or phone
- Booking procedure
  - Complete the application form including valid research vote number
  - Submit the completed application form to UURL Sample Acceptance Counter
  - Fast Lane is offered to non-UTM customers with an additional 50% charge from the normal price.**
- Sample Condition & Preparation
  - PPMU has the right to cancel any analysis if the sample is suspected to have a high risk to the safety of the operator or can cause damage to the instrument during the analysis. The cost of damages will be borne by the customer.**
  - Samples that can be analyzed by GC-MS-MS TQ8040 are typically Organic Compounds that have masses up to 1090 m/z, can be vaporized at 330°C or less and are thermally stable, i.e. that are not decomposed by heating. Strictly no water, chloroform, strong acid or base as solvent.
  - References in the form of Journals / standard methods / relevant technical reports should be attached to ensure compatibility with the instrument.
  - Applicant(s) are required to retrieve all samples after analysis.
  - The remaining samples will be disposed of within a month after the analysis is completed.**
- All inquiries regarding TQGCMS should be forwarded to the Assistant Science Officer, Nurhariani binti Jamhari (tel: 07-5333121, email: [nurhariani@utm.my](mailto:nurhariani@utm.my)) or visit our website at [ppmu.utm.my](http://ppmu.utm.my)

**1. APPLICANT'S PERSONAL PARTICULARS**

Name of Applicant							
Status of Applicant	<input type="checkbox"/> Undergraduates	<input type="checkbox"/>	<input type="checkbox"/> Master	<input type="checkbox"/>	<input type="checkbox"/> PhD	<input type="checkbox"/>	<input type="checkbox"/> Researcher
Student Matric No.							
Faculty/ Department							
Hand Phone No. & Email							

**2. SUPERVISOR DETAILS (for internal applicant and academic institution only)**

Name of Supervisor							
Staff ID No.							
Faculty/Department							
Hand Phone No.							
Email							
Mode of Payment	<input type="checkbox"/> Cash	<input type="checkbox"/> EFT	<input type="checkbox"/> Log card	<input type="checkbox"/>	<input type="checkbox"/> Invoice	<input type="checkbox"/>	<input type="checkbox"/> Fast Lane
*Payment using invoice	Research Vot No. (e.g.: Q.J091600.24C3.01D32)						
	Balance of V29000						
Signature & Official Stamp	*A digital signature is not recommended. Any matters raised in the future are beyond our responsibilities						

**3. SAMPLE INFORMATION**

Name of Sample							
Sample ID							
Mode of Analysis (tick (/) one only)	<input type="checkbox"/> Liquid	<input type="checkbox"/>	<input type="checkbox"/> Headspace * (fill in section 4)	<input type="checkbox"/>	<input type="checkbox"/> SPME ** (fill in section 5)	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> DI-Probe	<input type="checkbox"/>	<input type="checkbox"/> MDGC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Types of Column (tick (/) one only except for MDGC analysis)	<input type="checkbox"/> BP10	<input type="checkbox"/>	<input type="checkbox"/> BPX35	<input type="checkbox"/>	<input type="checkbox"/> BP1	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/> BP5MS	<input type="checkbox"/>	<input type="checkbox"/> Solgel-Wax	<input type="checkbox"/>	<input type="checkbox"/> BPX70	<input type="checkbox"/>	<input type="checkbox"/>
GCMS Program	Injection Volume (µL) :						
	Injector Temperature (°C) :						
	Injection Mode (Split/Splitless) :						
	Interface Temperature (°C) :						
	Ion Source Temperature (°C) :						
Temperature Program	No	Rate (°C/min)	Temperature (°C)		Hold Time (min)		
	1.						
	2.						
	3.						

Solvent Use			
Targeted Compounds <i>(attach details if not enough space)</i>			
<b>4. HEADSPACE ANALYSIS *</b>			
Incubation Temperature (°C) <i>(30 °C to 200 °C only)</i>			
Incubation Time (m:ss) <i>(0.10 to 1440.00 only)</i>			
<b>5. SPME ANALYSIS **</b>			
Extraction Mode <i>(tick (/) one only)</i>		Headspace	Direct Immerse
Type of Fiber <i>(tick (/) one only)</i>		30 µm Polydimethylsiloxane (PDMS)	
		65 µm Polydimethylsiloxane/Divinylbenzene (PDMS/DVB)	
		50/30µm DVB/Carboxen/PDMS	
		85µm Carboxen/PDMS	
		85µm Polyacrylate	
Pre Incubation Time (m:ss) <i>(0.10 to 100.00 only)</i>			
Incubation Temperature (°C) <i>(30 °C to 200 °C only)</i>			
Extraction Time (m:ss) <i>(0.10 to 100.00 only)</i>			
Desorption Time (m:ss) <i>(0.10 to 100.00 only)</i>			