



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

**PUSAT PENGURUSAN MAKMAL  
UNIVERSITI (PPMU)**

Form Num.	UIRL/F/137
Version	1/2024
Effective Date	01/03/2024
Equipment	HPLC WATERS
Sample Serial No.	UIRL/

**ANALYTICAL CHEMISTRY LABORATORY  
SAMPLE SUBMISSION FORM**

**General Rules and Requirements:**

- All information provided should be true
- Booking will be notified/updated by email
- Booking procedure
  - Complete the application form including a valid research vote number.
  - Submit the complete application form to UIRL 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.**
  - The remaining samples will be disposed of within a month after the analysis is completed.**
  - Only samples that were ready to be analyzed were accepted by the lab.
- All enquiries regarding **HPLC** should be forwarded to the (Science Officer, Mrs. Nor'Ain Abd Rahman, email: [norainrahman@utm.my](mailto:norainrahman@utm.my), tel: 07-5557775 or Science Officer, Mr. Ahmad Muslehuddin Sarun, email: [a.muslehuddin@utm.my](mailto:a.muslehuddin@utm.my), tel: 07-5557720) or visit our website at [ppmu.utm.my](http://ppmu.utm.my).

1. APPLICANT'S PERSONAL PARTICULARS										
Name of Applicant										
Status of Applicant										
			Undergraduates				Master		PhD	
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										
			Cash				EFT			
			Log card				Invoice			
			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										
Total No. of Sample										
Name of Sample/s										
Sample Properties (please tick (v))										
			Toxic				Carcinogenic			
			Normal							
Sample Purity										
Targeted Compounds										
4. ANALYSIS INFORMATION (please attach the copy of referred journal)										
Type of Column Available										
			Waters, XBridge BEH C18, 4.6 x 250mm, 5 micron				Waters, XBridge Amide BEH, 4.6 x 250mm, 5 micron			
			Waters, XBridge Phenyl BEH, 4.6 x 250mm, 5 micron				ZORBAX Eclipse Plus C18, Rapid Resolution 4.6 x 100mm 3.5 micron			
			Phenomenex Gemini® 5µm NX-C18 LC column 250 x 4.6 mm							
Detector (please tick (v))										
			Photodiode Array (PDA)				Fluorescence (FLD)			
			QDa Mass Detector							
5. PHOTODIODE ARRAY & FLUORESCENCE INFORMATION										
Elution (please tick (v))										
			Isocratic				Gradient			
Injection Volume (µL)										
Flow Rate (mL/min)										
Stoptime (min)										
Postrun (min)										



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Column Temperature (°C)									
Mobile Phase or Premix (If Isocratic)	A :			%	C :			%	
	B :			%	D :			%	
Mobile Phase Timetable (If Gradient)	Time (min)	A (%)	B (%)	C (%)	D (%)	Flow (mL/min)	Max Pressure (bar)		
Signal & Band width DAD (nm)	Wavelength (Band width)			Reference wavelength(Band width)					
Signal FLD (nm)	Excitation			Emission					
Spectrum (if required)	Wavelength (nm)			Step (nm)					
<b>6. QDa INFORMATION</b>									
Isocratic Solvent Management	Yes			No					
	Mobile Phase					Flow rate(mL/min)			
MS Conditions	Ionization Mode	ESI+			ESI-				
	Probe Temperature (°C)								
	Capillary Voltage (kV)	Positive (+ve)			Negative (-ve)				
	Cone Voltage (V)	Positive (+ve)			Negative (-ve)				
	MS Scan Range (Da)								
	Sampling Rate (point/second)								
	Acquisition (m/z centroid)								
	SIR Channel	Mass (Da)				Polarity (+ve)/(-ve)			
	Compound A								
	Compound B								