



**PUSAT PENGURUSAN MAKMAL
UNIVERSITI (PPMU)**

Form Num.	UURL/F/137
Version	1/2021
Effective Date	01/05/2021
Equipment	HPLC
Sample Serial No.	UURL/

**ANALYTICAL CHEMISTRY & LIQUID CHROMATOGRAPHY LABORATORY
SAMPLE SUBMISSION FORM**

General Rules and Requirement:

- 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 UURL Sample Acceptance Counter
- Sample Condition & Preparation
 - PPMU has the right to cancel any analysis if the sample is suspected to have a high risk on 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.**
- All enquiries regarding the instrument should be forwarded to the (Science Officer, Mrs. Nor' Ain Abd Rahman or Assistant Engineer, Mr. Amirul Amin Khir Anuar ext : 07-5557729/ 07-5557720/ 07-5557775).
- Only samples that ready to be analyzed were accepted by the lab.

1. APPLICANT'S PERSONAL PARTICULARS

Name of Applicant								
Status of Applicant	<input type="checkbox"/>	Undergrad	<input type="checkbox"/>	Master	<input type="checkbox"/>	PhD	<input type="checkbox"/>	Research
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"/>	Invoice
Payment using Invoice	Research Vot No. (e.g.: Q.J091600.24C3.01D32)							
	Balance of V29000							
Signature & Official Stamp								

3. SAMPLE INFORMATION

Total No. of Sample								
Name of Sample/s								
Sample Background / Information								
Sample Properties (please tick (v))	<input type="checkbox"/>	Toxic	<input type="checkbox"/>	<input type="checkbox"/>	Carcinogenic	<input type="checkbox"/>	<input type="checkbox"/>	Normal
Sample Purity								
Detected Compounds								

4. ANALYSIS INFORMATION (please attach the copy of referred journal)

Type of Analysis (please tick (v))	<input type="checkbox"/>	HPLC-PDA-FLUORESCENCE (AGILENT)	<input type="checkbox"/>	<input type="checkbox"/>	HPLC-PDA-FLUORESCENCE (WATERS)	<input type="checkbox"/>
	<input type="checkbox"/>	HPLC-QDa MASS DETECTOR	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>



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SAMPLE SUBMISSION FORM

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)							
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)			

6. QDa INFORMATION

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				